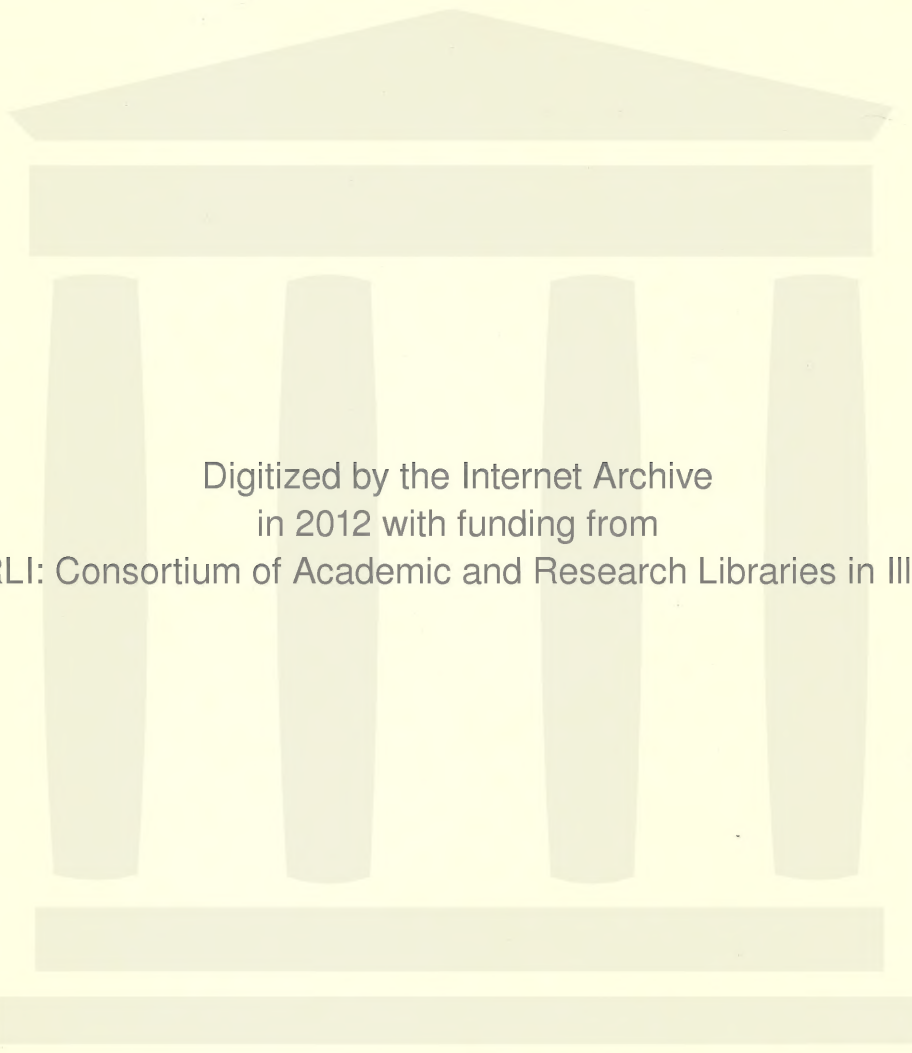




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Southern Illinois University Bulletin

Southern Illinois University

BULLETIN



Volume Six

CENTRAL PUBLICATIONS

Southern Illinois University

Carbondale, 1964

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Southern Illinois University

Bulletin



School of Technology

CARBONDALE CAMPUS 1964-65

Objectives of Southern Illinois University

TO EXALT BEAUTY

IN GOD,
IN NATURE,
AND IN ART;
TEACHING HOW TO LOVE THE BEST
BUT TO KEEP THE HUMAN TOUCH;

TO ADVANCE LEARNING

IN ALL LINES OF TRUTH
WHEREVER THEY MAY LEAD,
SHOWING HOW TO THINK
RATHER THAN WHAT TO THINK,
ASSISTING THE POWERS
OF THE MIND
IN THEIR SELF-DEVELOPMENT;

TO FORWARD IDEAS AND IDEALS

IN OUR DEMOCRACY,
INSPIRING RESPECT FOR OTHERS
AS FOR OURSELVES,
EVER PROMOTING FREEDOM
WITH RESPONSIBILITY;

TO BECOME A CENTER OF ORDER AND LIGHT

THAT KNOWLEDGE MAY LEAD
TO UNDERSTANDING
AND UNDERSTANDING
TO WISDOM.

School of Technology

Announcements for 1964-1965



SOUTHERN ILLINOIS UNIVERSITY BULLETIN
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The following issues of the *Southern Illinois University Bulletin* may be obtained without charge from Central Publications, Southern Illinois University, Carbondale, Illinois 62903.

General Information
General Studies and AF ROTC
Summer Session (Carbondale)
Summer Session (Edwardsville)
Schedule of Classes (Carbondale)
Schedule of Classes (Edwardsville)
Divisional Announcements (Edwardsville)
Graduate School
College of Education
College of Liberal Arts and Sciences
School of Agriculture
School of Business
School of Communications
School of Fine Arts
School of Home Economics
School of Technology
Division of Technical and Adult Education

All intending students should have the General Information bulletin (issued once a year), plus the special bulletins of the various educational units in which they are most interested.

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This Bulletin

covers in detail questions concerning the School of Technology. To obtain complete information about Southern Illinois University and its various academic units, please refer to page ii of this bulletin for a list of the separate issues of the University's catalog.

This issue supersedes Volume 2, Number 4.

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A School of Technology building group, soon to be constructed, will provide the most modern technological facilities available.

School of Technology

SOUTHERN ILLINOIS UNIVERSITY was established in 1869 as Southern Illinois Normal University. The shortened name became official in 1947 by action of the state legislature. The University now operates two major campuses, located at Carbondale and Edwardsville.

Technology has been a part of the educational program at Southern Illinois University since 1908 when courses in manual arts were offered primarily for those preparing to teach in the public schools.

In 1945 technological activities at Southern had increased sufficiently to be considered an integral part of the College of Vocations and Professions. The School of Applied Science was established in 1959, by action of the Board of Trustees. Two years later the school was renamed the School of Technology.

Within the School of Technology, the responsibility to co-ordinate and facilitate "the development of curricula, to provide instruction and to stimulate research in the entire spectra of technology" has been established.

OBJECTIVES

The School of Technology seeks to attain through each graduate certain broad objectives. Its curricula are designed to effect an educational philosophy in all areas of technology. The school is dedicated to the task of providing education, research, and consultative services. Motivated by the characteristics of Southern Illinois and its potential for industrial development, the school is developing a program to meet the present and anticipated technological needs of the area.

Increasingly, the achievements of our technological leaders derive more from a mature and imaginative exploitation of today's scientific knowledge than from ingenuity or tinkering, no matter how skillful these may be. Through the coupling of deep scientific skill with purposeful technological motivation, a host of new machines and new materials has evolved, leading

to spectacular systems of transportation, communication, power, and propulsion and providing the tools for the automated mass production of consumer goods of many kinds.

In terms of personal interest, in terms of adequate financial reward, and in terms of service to mankind, the technological professions are most rewarding.

FACULTY

Professors J. L. Amoros, John H. Erickson, Ralph O. Gallington, Julian H. Lauchner, J. Henry Schroeder, H. J. Stoever. *Associate Professors* Charles A. Bunten, Maria L. Canut, Herbert A. Crosby, E. Leon Dunning, C. M. Moeller, John M. Pollock, Wayne S. Ramp, James R. Jenkins. *Assistant Professors* George R. Glenn, Marvin E. Johnson, Mark E. Klopp, C. Raymond Nowacki. *Instructors* Robert Armbrust, Edwin R. Ashworth, Dale H. Besterfield, James S. Harmon, Richard S. Howe, Nicholas J. Nigro, Gary G. Paulson, B. Jean Preston, Bill J. Shields.

Professors Fred Donald Bloss, Charles J. Brasefield, John W. Hamblen, M. Keith Humble, Carl E. Langenhop, Alfred Lit, James W. Neckers, E. J. Simon, William C. Westberg. *Associate Professor* Leslie E. Gates. *Assistant Professors* Richard L. Linster, Wilbur N. Moulton, Milton Shute. *Instructors* Willard C. Hart, W. A. Howe.

PROGRAMS OF INSTRUCTION

The Bachelor of Science degree may be earned with concentration of study in applied science, engineering, engineering technology, industrial education, and industrial technology.

Graduate study may lead to either the Master of Science degree or the Doctor of Philosophy degree. Details of the graduate programs appear in the Graduate School issue of the *Southern Illinois University Bulletin*.

STUDENT ORGANIZATIONS AND ACTIVITIES

The Engineering Club sponsors social hours, lectures, demonstrations, and discussions and provides leadership in the co-ordination of its interests with those of engineering societies. Participation in the club's activities provides the student contact with fellow students, practicing engineers, and faculty members. It is a source of valuable engineering and scientific information as well.

The Industrial Education Club is concerned with products, procedures, industrial organization, management, industrial education, and training within industry. Group projects are undertaken involving campus life and the disciplines appropriate to the various undergraduate programs.

Iota Lambda Sigma is a professional fraternity for men in the field of industrial education. Its ideals are based on service. It embraces interest in industry, learning (skills as well as knowledge), and the role of the teacher or supervisor of industrial subjects. Membership is by invitation and is open to those with potential leadership qualities. Scholarship is also a criterion for determining eligibility for membership.

The Amateur Radio Club uses a ham shack and other radio equipment of the engineering laboratories. Membership is open to all interested students, whether enrolled in the School of Technology or not.

ADMISSION TO THE SCHOOL

Inquiries concerning admission to the University should be directed to the Admissions Office, Southern Illinois University, Carbondale, Illinois 62903. Application for admission should be initiated at least thirty days in advance of the desired entrance date. High school seniors should start the admission process during the first semester of their senior year, but their formal admission will not be considered until after receipt of the high school record showing completion of the seventh semester of high school.

Freshmen are admitted to General Studies. Students in General Studies are eligible to petition for admission to the School of Technology when they have completed 75 hours of work. Transfer students need 90 or more hours to be eligible for admission to the school.

High school students preparing for study in the School of Technology should have four units of English, two and one-half units of mathematics (algebra, geometry, trigonometry), two to three units of social studies, and two to three units of science (biology, chemistry, physics); physics is especially recommended. They should apply to the School of Technology at the beginning of the last semester in high school.

COMPLETE DETAILS concerning admission, tuition, fees, housing, degree requirements, and student employment are given in the General Information bulletin. For a free copy write to Central Publications, Southern Illinois University, Carbondale, Illinois 62903.

TUITION AND FEES

At the present time legal residents of Illinois registered for more than eight hours pay a total of \$61.50 per quarter. This includes \$42.00 tuition,

a \$5.00 book rental fee, a \$5.00 student union building fund fee, and a \$9.50 student activity fee. Out-of-state students pay an additional \$50.00 tuition, or a total of \$111.50. Students registered for eight hours or fewer pay one-half tuition, one-half book rental fee, and full student union building fund fee; they have the option of paying the student activity fee.

ADVISEMENT

Academic advisement for students during the first two years is under the general direction of the executive officers of General Studies. Academic advisement for upperclassmen (those enrolled in the various colleges, schools, divisions, and departments) is under the general direction of the officers of the academic units in which they are enrolled.

In addition to the General Studies advisers, each student desiring to concentrate his studies in the School of Technology may seek secondary advice from an adviser in that school concerning courses as well as other academic and professional matters.

REQUIREMENTS FOR THE BACHELOR'S DEGREE

Every bachelor's degree candidate is expected to meet the University's general requirements and to follow the recommendations of the academic unit in which he intends to do his major work. The general requirements have been undergoing intensive study which has resulted in the new General Studies program, outlined below. Details of the program appear in the current General Studies bulletin.

Each candidate for the degree must complete a minimum of 192 hours of credit in approved courses. At least 64 must be in senior college courses, of which 48 must be earned at Southern, 16 of which may be earned in extension from Southern. Each student must have a *C* average, and grades not lower than *C* in subjects aggregating at least three-fourths of the work. A *C* average is required in the major subject. These averages are required for the credit made at Southern as well as for the total record.

The *quarter hour* is the unit of credit used at Southern and throughout this bulletin. One quarter hour is two-thirds of a semester hour.

OUTLINE OF GENERAL STUDIES REQUIREMENTS

<i>Area A: Man's Physical Environment and Biological Inheritance....</i>	24 hours
A first-level basic sequence	9 hours

A second-level continuation sequence	9 hours
Third-level advanced courses	6 hours
Area B: Man's Social Inheritance and Social Responsibilities.....	24 hours
A first-level basic sequence	9 hours
A second-level continuation sequence	9 hours
Third-level advanced courses	6 hours
Area C: Man's Insights and Appreciations	24 hours
A first-level basic sequence	9 hours
A second-level continuation sequence	9 hours
Third-level advanced courses	6 hours
Area D: Organization and Communication of Ideas	18 hours
Required college composition and speech	9 hours
Either a foreign language or a basic mathematics sequence	9 hours
Area E: Health and Physical Development	6 hours
First-level required physical education	3 hours
Second-level required health education	3 hours

WAIVERS

Each student is entitled to waive (i.e. omit entirely) the first-level sequence in his work in _____, for some major, for example: Area _____ possible: Area _____ al education, in _____ nic advisers are _____ the exercise of the waiver privilege. A student who has not chosen a field of concentration cannot waive a first-level sequence.

SCHOOL OF TECHNOLOGY REQUIREMENTS

All curricula in the School of Technology include General Studies Area D 114-9 (or 114, 115, 116) by credit, waiver, advanced standing, or proficiency examination and Technology 300-9 by credit, proficiency examination, or advanced standing.



Areas of Concentration

APPLIED SCIENCE

Science is concerned with discovering and describing the structure and processes of the natural world. Applied science may be thought of as science in the process of becoming technology; it is particularly concerned with the application of new science.

The applied scientist finds that the conventional theoretical formulations often do not completely explain the phenomena with which he must deal, and that pure science has tended to pass on into new fields of study so quickly that many important fields are abandoned before they are adequately investigated. He must therefore be prepared to make himself responsible for original and fundamental investigations in the physical and mathematical principles that underlie his own work, while he still holds his place as the pre-eminent intellectual agent of progress in the practical world. The applied science program at Southern is directed toward the application of science in the fields of materials science, information processing science, and nuclear science.

SUGGESTED COURSES

<i>General Studies Requirements</i> (See page 4. Waive GSA-1.)	87
<i>Air Science Requirement</i> (See the General Information bulletin.)	3
<i>School of Technology Requirements</i> (See page 5.)	9
<i>Requirements for a Concentration in Applied Science</i>	117
Chemistry 111, 112, 113, 461	19
Engineering 300, 311, 331, 335a	30
Mathematics 150, 251, 252, 253	19

Physics 211, 212, 213, 313	19
Elective area, such as materials science, information processing science, or nuclear science	30
<i>Prerequisites to the Above Courses</i>	29
<i>Total</i>	<u>245</u>

ENGINEERING

The engineering courses are designed to produce a graduate who understands the basic sciences and knows how to apply them to a broad field of engineering and scientific activity. This area of concentration includes research, development, creative design, and analytical engineering. The program leads to graduate work in many areas of science and engineering. The graduate may avail himself of the facts of basic science and engineering in the solution of problems, or he may pursue graduate study in many areas of science and technology.

The engineering courses permit a student to plan a broad program, leading to the Bachelor of Science degree, for those students who become well grounded in the basic sciences and mathematics.

Engineering entrance requirements are (1) character, attitude, and interest suitable to the responsibilities of the engineering profession, (2) intellectual ability and achievement indicated by satisfactory scholastic work prior to entering engineering school, and (3) completion of at least two years in an approved college or university with minimum of 9 hours in English and speech, 18 in mathematics (analytical geometry, calculus), 15 in physics (mechanics, heat, light, sound, electricity, and magnetism), and 15 in chemistry (general, inorganic).

Students pursuing the course in engineering should have a well-rounded general education in addition to the specific requirements indicated above; thus the committee on admissions suggests that applicants obtain as much exposure to courses in other fields of knowledge as possible. Students who have majored in nonscientific fields are considered as acceptable as science majors as long as they have acquainted themselves well with the contents of pre-engineering courses.

The rest of the college work should be chosen with the object of developing the intellectual talents of the individual, rather than as required preprofessional preparation. The college work should include courses in language and literature, history, and the social studies, or other subjects which may afford the foundation for cultural development. Unless that foundation is laid early, there is the danger that later demands of technical and professional training may lead to its neglect.

SUGGESTED COURSES

<i>General Studies Requirements</i> (See page 4. Waive GSA-1.)	87
<i>School of Technology Requirements</i> (See page 5.)	9
<i>Air Science Requirement</i> (See the General Information bulletin.)	3
<i>Pre-Engineering</i> (See the engineering entrance requirements, above.) (76)	
Entrance requirements and prerequisites to the Requirements for the Concentration in Engineering may total as many as 76 hours in addition to the General Studies Requirements. The student should make every effort to satisfy these requirements through advanced standing, proficiency examinations, and waivers. In some cases a department chairman may waive the prerequisites to certain advanced courses for students who plan to enter engineering.	
<i>Requirements for a Concentration in Engineering</i>	146
Chemistry 461, 462	8
Engineering 222, 260, 300, 311, 313, 331, 335a, 344a, 361, 370, 412, 517	79
Mathematics 305, 306	6
Physics 313, 413	8
Psychology 320	4
Technology 599	3
Elective area selected from: systems design and analysis, energy conversion, materials, and information theory. Approval of and guidance in the selection may be obtained from the academic adviser.	38
<i>Total</i>	245

ENGINEERING TECHNOLOGY

A concentration of courses in engineering technology may fulfill the educational requirement for professional work in many fields of technology, such as civil, electrical, and mechanical engineering.

All engineering technology students will complete the General Studies program, the engineering technology core courses, and all requirements in the field of specialization, as well as several hours of technical electives.

SUGGESTED COURSES

<i>General Studies Requirements</i> (See page 4. Waive GSC-1.)	87
<i>Air Science Requirement</i> (See the General Information bulletin.)	3
<i>School of Technology Requirements</i> (See page 5.)	9

<i>Requirements for a Concentration in Engineering Technology</i>	105
Engineering Technology 101-9, 204-9, 260-9, 300-6, 311-9, 318-6, 361-4	52
Mathematics 150, 251, 252	15
Elective area such as civil engineering, electrical engineer- ing, or mechanical engineering. Arrangements and guid- ance for selection may be made with the student's School of Technology adviser.	38
<i>Total</i>	204

INDUSTRIAL EDUCATION

Our rapidly expanding technology in recent years has brought about a tremendous need for specialists who are prepared to work with people. These individuals serve as teachers, supervisors, directors, and consultants in the many areas representative of industry and technology.

Nearly every facet of our lives depends on the skillful use of knowledge in the research, development, manufacture, and maintenance of the industrial materials and machines which sustain us. Professionals in the area of industry are charged with the responsibilities of interpreting our technological society through insights, appreciation, and an understanding of the materials, processes, products, working conditions, and new developments in industrial production.

Educational specialists are prepared to work with all levels of school youth and adult programs relating to industry. Those who gain experience and continue graduate work receive special instruction at college and university levels to prepare them to educate others to serve in these professions.

This curriculum provides a number of professional specializations leading to the Bachelor of Science degree. Graduate programs in this area are described in the Graduate School bulletin.

SUGGESTED COURSES

<i>General Studies Requirements</i> (See page 4. Waive GSC-1.)	87
<i>Air Science Requirement</i> (See the General Information bulletin.)	3
<i>School of Technology Requirements</i> (See page 5.)	9
<i>Requirements for a Concentration in Industrial Education</i>	104
Guidance 305, 422	6
Industrial Education 100-2, 235-6, 309-4, 312-3, 322-3, 327-3, 343-3, 491-3	27

Industrial Technology 305-3, 306-3, 332-4	10
Instructional Materials 417-4	4
Secondary Education 310-4, 352-12, 440-3	19
Elective area. A student has the opportunity to specialize for employment in manual arts therapy, industrial arts, trade and industries, or technical teaching in the public schools, private trade schools, or in technical institutes, colleges, and universities. Other specializations lead to employment as training directors within industry, as directors or administrators of technical schools, or in supervisory positions in industry, foreign service, civil service, and research. The advanced positions require graduate degrees.	38
Total	203

INDUSTRIAL TECHNOLOGY

The technologist can be defined as a worker who is interested and engaged in the actual application of an organized body of knowledge to various situations. In practice this definition is broadened to include many hundreds of industrial workers. We are living today in an age of technology.

Industry depends on many types of technologists to produce its products. Not all technologists actually work on a product directly. Some work with the problems of production, such as plant lay-out, materials, scheduling, time and motion analysis, and safety. Others are engaged in management, supervisor training, liaison, and personnel tasks. The technologist is not a professional engineer, nor is he a technician working on the bench. He is the much-sought-after "middleman" in industry who must work with all of the processes of industry. He may be required to function as a businessman, technician, supervisor, instructor, trouble-shooter, manager, and diplomat. His position is not an easy one to fill but is very important to a product, an organization, and an industry. His preparation for such a position must necessarily be technically broad to cope with a wide range of techniques and processes and must include a sound educational foundation in the physical sciences in order that he may understand the product and its production. He must also have a knowledge of human relations and human behavior as a basis for understanding the fundamentals of management. His educational program should provide for the development of a high degree of maturity and social awareness. There is a great employment demand for the industrial technologist who will assume responsibility for the efficient functioning of modern industrial establishments.

Industrial technology is a four-year concentration of courses leading to the Bachelor of Science degree and designed to prepare an individual for employment as a technologist in a variety of technological areas.

SUGGESTED COURSES

<i>General Studies Requirements</i> (See page 4. Waive GSC-1.)	87
<i>Air Science Requirement</i> (See the General Information bulletin.)	3
<i>School of Technology Requirements</i> (See page 5.)	9
<i>Requirements for a Concentration in Industrial Technology</i>	102
Economics 215	3
Engineering Technology 361	4
Industrial Technology 227-6, 235-6, 300-4, 305-3, 306-3, 309-4, 312-3, 318-6, 322-3, 327-3, 341-3, 343-6	50
Management 380-4, 382-3	7
Psychology 320	4
Elective areas in industrial technology include preparation for technical, supervisory, and training positions in industrial manufacturing and processing. The student may elect to specialize in areas such as architecture, construction, design, drafting, electronics, graphic arts, metal, plastics, power, plant operations, safety, transportation, wood, and others. Basic preparation for trades and industries may be provided through proper selection of industrial technology courses.	34
<i>Total</i>	201

Course Descriptions

APPLIED SCIENCE

- 222-3 DIGITAL COMPUTER PROGRAMMING FOR ENGINEERS. (See Engineering 222.)
- 415-9 (3,3,3) WATER SUPPLY AND WASTE WATER DISPOSAL. (a) A study of the principles involved in the collection, storage, treatment, and distribution of water for municipal, industrial, and irrigation use. (b) The removal of storm waters, municipal sewage, and excess irrigation waters; water rights and stream administration; water quality criteria; the economic aspects of projects. (c) Theory of unit operations as applied to the treatment of water and waste water; and the design of works for the collection, treatment, and disposal of water and liquid wastes. Laboratory. Must be taken in a,b,c sequence. Prerequisite: consent of instructor.
- 420-3 DIGITAL COMPUTERS IN RESEARCH. Basic foundations used in operations research. An intensive study in the use of digital computers as related to topics such as probability and statistics, matrices, game theory, Monte Carlo techniques, distribution and scheduling problems, and simulation. Prerequisite: 222.
- 421-3 PROGRAMMING LANGUAGES. A study of development and the use of automatic programming languages for stored program electronic computers. Included are symbolic languages, interpretive systems, algebraic-oriented and business-oriented data processing languages, macro assemblers and list processors. (ALGOL, FORTRAN, COBOL, COMIT, IPL, etc.) A comparison of the languages will be made, and each student will prepare programs using the languages studied. Prerequisite: 222.
- 422-3 PROGRAMMING SYSTEMS. The use and methods of electronic data processing systems. Topics are searching, ordering, codifying, information retrieval, process control, executive routines, and heuristic programming. The student will apply system techniques for solution of problems using the computer equipment of Data Processing and Computing Center. Prerequisite: 222.

Courses on the 500 level are for graduate students only and are described in the Graduate School bulletin.

501-9 MATERIALS SCIENCE.

502-6 MATERIALS STRUCTURE ANALYSIS.

516-4 WATER RESOURCES DEVELOPMENT.

521-6 DESIGN OF AUTOMATIC PROGRAMMING LANGUAGE PROCESSORS.

522-6 PROGRAMMING SYSTEMS DESIGN.

ENGINEERING

222-3 DIGITAL COMPUTER PROGRAMMING FOR ENGINEERS. (Same as Applied Science 222.) Programming of digital computers in a problem-oriented language (FORTRAN). Problems solved will illustrate some of the elementary methods of numerical analysis. Prepares the student to use digital computers in later courses. Includes programming of a computational problem from inception to completion: formulation and analysis, flow charting, coding, check-out, documentation. Prerequisite: Mathematics 251.

260-9 (3,3,3) ANALYTICAL MECHANICS (Same as Engineering Technology 260.) (a) Resultants of force systems, algebraic and graphical conditions of equilibrium of force systems; analysis of forces acting on members of trusses, forces due to friction; centroids. (b) Displacement, velocity, and acceleration of a particle; translation, rotation; plane motion. (c) Solutions using the principles of force, mass and accelerations, work and energy, and impulse and momentum. Must be taken in a,b,c sequence. Prerequisite: Mathematics 150 concurrently.

300-9 (3,3,3) THERMODYNAMICS. (Same as Engineering Technology 300.) (a) The study of fundamental energy concepts and the laws of thermodynamics, availability of energy, properties of gases, vapors and gas-vapor mixtures, flow and non-flow processes. (b) Engine cycles and applications to internal combustion engines, gas turbines, steam turbines, jet devices, air compressors, and air engines. Combustion refrigeration and air conditioning. Heat transfer principles. (c) Axiomatic thermodynamics, criteria for equilibrium; absolute temperature; Maxwell's relations; open systems; the phase rule; systems of one and two components; idealized systems; equations of state; systems involving chemical and electrochemical equilibrium. Must be taken in a,b,c sequence. Prerequisite: Mathematics 251.

302-6 (3,3) HEAT AND MASS TRANSFER. (a) Dimensional analysis and its application to the theory of heat transfer. Mathematical and graphical methods of analyzing problems in conduction, convection, and radiation. Particular attention to the applications of heat transfer principles used in various processes. (b) A study of the theory related to all types of heat power equipment. The design calculations for various components of heat power machines such as steam and gas turbines, air compressors, pumps, refrigeration, and air conditioning equipment. Must be taken in a,b,c sequence. Prerequisite: 300.

305-12 (3,3,3,3) ARCHITECTURAL ENGINEERING DESIGN. (a) An introduction to the profession of architecture; work illustrating basic architectural forms and their organization. (b) A study of architectural planning, composition, and sketching. (c) A study of the fundamentals of architectural design. (d) A study of architectural planning of contemporary architectural problems. Must be taken in a,b,c,d sequence. Prerequisite: 260.

- 311-9 (3,3,3) **ENGINEERING MATERIALS.** (Same as Engineering Technology 311.) (a) Stress and strain in the elastic as well as the plastic states. Failure theories. Elastic and plastic torsion. Thick cylinders and rotating discs. Energy methods. Beams on elastic foundations. Introduction to plates and shells. Limit design. (b) Mechanics of continua for elastic, plastic, viscoelastic, and creeping materials, limit analysis, applications to brittle, ductile, and transitional modes of fracture, to creep, fatigue, friction, and wear. Laboratory emphasizing student-planned projects. (c) Physical and chemical properties of all types of materials; influence of these properties on behavior of materials under various structural, magnetic, dielectric, heat, and other environmental conditions. Laboratory. Must be taken in a,b,c sequence. Prerequisite: 260.
- 313-6 (3,3) **FLUID MECHANICS.** (a) A broad introduction to concepts, principles, and methods of fluid dynamics. Model and properties of the continuum. Continuity, momentum, and energy equations for the system and the control volume. Kinematics of fluid motion. Equations of motion of nonviscous fluid, and their integration. Potential flows. Navier-Stokes equations for viscous fluids, and applications. Boundary layers, turbulence, and drag. Lift, dimensional reasoning, and similitude. (b) Introduction to theoretical fluid mechanics. Forces on floating and submerged bodies, equations of motion, dynamic similarity, laminar and turbulent flow, skin friction, flow resistance in conduits, cavitation and propulsion, drag, circulation and principles of turbomachinery. Must be taken in a,b sequence. Prerequisite: 260.
- 321-6 (3,3) **PHYSICAL METALLURGY.** (a) The elementary physics of metals, constitutional diagrams, equilibrium and non-equilibrium conditions. The properties of metals and alloys as related to structure. (b) A study of the internal structure, treatment, and properties of iron, plain carbon steel, and cast iron. Laboratory. Must be taken in a,b sequence. Prerequisite: 311.
- 331-12 (4,4,4) **CIRCUIT AND FIELD THEORY.** (a) Introduction to the theory of circuits. Study of network theorems, sources of electrical energy, basic electric measurements, magnetic circuits. (b) Solution of electric and magnetic fields of simple geometry. Study of Coulomb's Law, Gauss' Theorem, Maxwell's equations for static fields by vector methods. (c) Vector analysis, electrostatics, space charge flow, steady magnetic fields, Maxwell's equation, uniform plane waves, circuits concepts, transmission lines, dipole radiation, field theory of rotating machinery and transformers. Laboratory. Must be taken in a,b,c sequence. Prerequisite: Mathematics 253.
- 333-9 (3,3,3) **ELECTRICAL ENERGY CONVERSION.** (a) The principles and physical aspects of electromechanical energy conversion and the basic concepts of machine performance; analysis and performance of D.C. machines. (b) Basic theory of transformers, analysis of performance of synchronous and induction machines. (c) Analysis of performance of fractional-horsepower motors, control-type generators and self-synchronous machines, dynamics of electromechanically-coupled systems, magnetohydrodynamics, and other energy conversion methods. Laboratory. Must be taken in a,b,c sequence. Prerequisite: 331.
- 334-9 (3,3,3) **MICROWAVE AND ANTENNA THEORY.** An advanced study of electromagnetic fields, a study of the modes of propagation of electromagnetic energy of short wave length through guided ducts and the radi-

- ation of this energy into space. Laboratory. Must be taken in a,b,c sequence. Prerequisite: 331.
- 335-9 (3,3,3) **ELECTRONICS.** (a) An introduction to electronics for all students of engineering. A foundation for more advanced studies in electronics. (b,c) Electron tube theory, amplifiers, modulation, vacuum tube and transistor circuits. Laboratory. Must be taken in a,b,c sequence. Prerequisite: 331.
- 341-3 **MECHANICAL VIBRATIONS.** Equations of motion applied to systems with free and forced vibrations, damping, multiple-degrees of freedom. Applications to engines and rotating machinery. Prerequisite: 260, Mathematics 253.
- 343-9 (3,3,3) **ENGINEERING DESIGN.** Projects of a research design or development nature. The student will select a problem, develop the theory for a solution, check the theory experimentally, analyze the data, and compare the results. The project can be from one to three quarters in length. Laboratory. Must be taken in a,b,c sequence. Prerequisites: 300, 311, 331.
- 344-9 (3,3,3) **STRUCTURES.** (a) Analysis of statically determinate structures under stationary and moving loads. Application of the theory of statically determinate structures to stress and deflection computations. (b) Fundamental theory of statically indeterminate structures to the evaluation of deformations, reactions and moments in continuous structures. (c) Introduction to design. Must be taken in a,b,c sequence. Prerequisite: 260.
- 346-6 (3,3) **CONCEPTS OF ENERGY RELEASE.** (a) A study of exotic type energy conversion principles. The theory and application of energy release to conventional devices. (b) Thermodynamic analysis of low temperature phenomena. Solar energy and the concepts of thermonuclear power. Must be taken in a,b sequence. Prerequisite: 300.
- 350-6 (3,3) **ANALOG AND DIGITAL COMPUTER DESIGN.** An introduction to the design of analog and digital computers. Subjects include: operational amplifiers, multiplying circuits, regulated power supplies, Boolean algebra, switching circuits, memory devices. Not a course in programming. Must be taken in a,b sequence. Prerequisites: 335, Mathematics 253.
- 351-6 (3,3) **ELECTROMECHANICAL DESIGN.** Develops and makes use of the mechanical and electrical knowledge of the student in the synthesis of complete control systems, to train students for careers in creative automation. Must be taken in a,b sequence. Prerequisite: 335.
- 352-6 (3,3) **ELECTRONIC DEVICE DESIGN.** (a) Helps students use the latest electronic devices in designing circuits and equipment. (b) The use of tunnel diodes, lasers, masers, traveling wave tubes in the design of equipment. Emphasis will be on total design concept. Laboratory. Must be taken in a,b sequence. Prerequisite: 335.
- 361-4 **ENGINEERING ECONOMICS.** (Same as Engineering Technology 361.) A study of factors and methods involved in selecting the most economical and feasible plan in industrial and engineering ventures considering both the business and technical aspects involved. Prerequisite: junior standing.
- 370-4 **THEORY OF STOCHASTIC PROCESSES.** Concept of a stochastic process. Renewal theory. Markov processes with application to reliability of systems, queues, and other problems of engineering interest. Related statistical problems. Prerequisite: 300.
- 406-3 **STATISTICAL MECHANICS.** Introductory subject for graduate engineering students. Classical mechanics of systems of particles and motion

in phase space. Quantum mechanical concepts and energy of microscopic systems. Most probable distribution. Determination of thermodynamic properties of gases, crystals, black body radiation field. Fluctuation theory. Application to plasmas, thermionics, masers, cryogenics. Prerequisites: 461, Mathematics 306.

- 412-9 (3,3,3) ENGINEERING PRACTICE. (a) Written communication encountered in engineering organizations: correspondence, memoranda, technical papers, specifications, and reports. Lectures, conferences, and frequent written assignments are adapted to the individual needs of each student. (b) The law of contracts with enough emphasis on legal procedure to enable students to understand decided cases. If possible, the study of the legal material will be followed by practice in applying some of the principles. (c) Research methods. Must be taken in a,b,c sequence. Prerequisite: 361.
- 439-3 TRANSIENT ANALYSIS. A study of electrical and mechanical networks by means of the Laplace Transform. Theoretical vibration problems in the real and complex time domain, as they apply to engineering will be discussed. Prerequisite: 335, Mathematics 306.
- 445-9 (3,3,3) STRUCTURAL DESIGN. (a) General principles of structural design. Probabilities of failure or unserviceability. Factor of safety. Ultimate versus elastic design. Stress control and erection of indeterminate structures. Economics and preliminary planning of structures. Approximate analysis of beams, trusses, frames, and slabs. Preliminary design of indeterminate structures. (b) Consideration of behavior and modes of failure of typical metal structures, structural components, and connections as affected by design features, service conditions, and material properties. Comprehensive review of methods of plastic analysis and design of steel structures. Correlation of buckling behavior of structures and structural members with buckling criteria and requirements. (c) An introduction to the design of reinforced concrete structures, behavior of beams, columns and frames, proportioning of members. Laboratory. Must be taken in a,b,c sequence. Prerequisites: 311, 344.
- 461-6 (3,3) ADVANCED MECHANICS. (a) Stress and strain at a point in three dimensions. Introduction to the theory of elasticity with examples of solutions in two dimensions. Consideration of bending of flat plates; energy methods in elasticity; elastic stability problems. (b) The foundation of dynamics leading to Lagrange's equations and Hamilton's principle. Gyroscopic effects in mechanical systems. Analysis of the stability of steady motions. Self-excited vibrations and non-linear vibrations. Must be taken in a,b sequence. Prerequisite: 260.
- 462-6 (3,3) THEORY OF ELASTICITY. (a) The linear theory of homogeneous, isotropic, elastic media. Analysis of stress and strain. (b) The solution of differential equations of elasticity by numerical inverse, energy, and complex variable methods. Must be taken in a,b sequence. Prerequisite: 461.

Courses on the 500 level are for graduate students only and are described in the Graduate School bulletin.

510-3 ELECTROMAGNETIC FIELDS.

511-3 QUANTUM ELECTRONICS.

517-8 (4,4) ANALYSIS AND DESIGN OF ENGINEERING SYSTEMS.

ENGINEERING TECHNOLOGY

- 101-9 (3,3,3) **GRAPHICS.** (*a*) Basic principles of graphic communications. Orthographic projection, sections and conventions, dimensioning, auxiliary views, freehand lettering, and sketching. (*b*) Graphical solution of problems involving the understanding of the space relationships of points, lines, and planes; intersections and developments. (*c*) Auxiliary views, threads and fasteners, dimensioning. Laboratory. Must be taken in a,b,c sequence. No prerequisite.
- 204-9 (3,3,3) **ELECTRICAL CIRCUITS.** The principles of electrical science as applied to modern industry. A study of magnetic circuits. Principles of D.C. and A.C. circuits. The fundamental laws of current flow. Laboratory. Must be taken in a,b,c sequence. Prerequisite: Mathematics 252.
- 260-9 (3,3,3) **ANALYTICAL MECHANICS.** (See Engineering 260.)
- 263-12 (4,4,4) **SURVEYING.** (*a*) The use and care of surveying instruments. Fundamental principles of surveying, computations, land surveying, topographic surveying data processing. (*b*) Field astronomy, route surveying, introduction to photogrammetry, hydrographic surveying, and subsurface surveys. (*c*) Precise surveying, geodesy, altimetry analysis of errors and error propagation, conditioned and adjusted by method measurements of least squares and other methods. Laboratory. Must be taken in a,b,c sequence. Prerequisites: 101 and GSD 114c.
- 300-9 (3,3,3) **THERMODYNAMICS.** (See Engineering 300.)
- 301-9 (3,3,3) **REFRIGERATION AND AIR CONDITIONING.** (*a*) Discussion of refrigerating cycles. Refrigeration at more than one level. Operation and ratings of various types of compressors, evaporators, condensers, and automatic controls used in commercial refrigerating systems. Heat flow problems in condensers, evaporators, and cooling towers. (*b*) Control of temperature and humidity in buildings, or other large areas. Air handling equipment, duct systems, and air distribution within the space. Fundamental principles and techniques for cooling and dehumidification for comfort. Equipment and control systems. (*c*) Physiological aspects of air conditioning. Air and water vapor mixtures, load estimates for heating, boilers, radiators, and heating systems. Complete and part air conditioning systems, including air handling equipment. Must be taken in a,b,c sequence. Prerequisite: 300a.
- 303-9 (3,3,3) **ELECTRONICS TECHNOLOGY.** A study of the application of electrical and electronic controls to the generation and regulation of power conversion. Laboratory. Must be taken in a,b,c sequence. Prerequisite: 204.
- 308-9 (3,3,3) **MACHINE DESIGN.** (*a*) Applications of the principles of mechanics to problems of design and development, mechanisms for specific functions, dynamic effects and friction in mechanisms. (*b*) Strength and safety considerations in design of machine parts. Fatigue and stress concentrations; power transmissions, bearings, brakes, clutches, and springs. (*c*) Combined stresses; helical, bevel, and worm gearing; curved beams, thick cylinder and flat plates; high-speed cams. The student puts previous studies into practice by design of a complete machine. Laboratory. Must be taken in a,b,c sequence. Prerequisite: 260.
- 310-9 (3,3,3) **CONSTRUCTION MECHANICS.** (*a*) A study of construction

methods, the forces involved in the management of machinery and manpower. (*b,c*) The dynamics of estimating, scheduling and controlling procedures. Must be taken in a,b,c sequence. Prerequisite: 260.

311-9 (3,3,3) ENGINEERING MATERIALS. (See Engineering 311.)

314-9 (3,3,3) SOIL MECHANICS. (*a*) Mechanics of soil masses; soils as engineering materials. Soil identification and testing. (*b*) Shearing resistance and consolidation of soils, deformations with an analytical review of the theoretical concepts, results of laboratory materials, including cement, foundation, and surfacing materials. Use of X-ray diffraction and Debye-Scherrer camera equipment. Influence of mineral constituents on soil behavior and design. Laboratory. Must be taken in a,b,c sequence. Prerequisite: 311.

318-9 (3,3,3) HYDRAULICS. (*a*) The fundamentals of fluid statics, open channel flow and flow measuring equipment. (*b*) The design of fluid machinery. Analysis of hydraulic and pneumatic systems for response characteristics. Response studies on pumps, motors, and valves. Laboratory. Must be taken in a,b,c sequence. Prerequisites: 260, 300b.

320-9 (3,3,3) MECHANICAL ENGINEERING LABORATORY. (*a*) A study of various types of measuring instruments. (*b*) Fuels and lubricants testing and exhaust gas analysis. (*c*) A study of the characteristics of internal combustion engines, steam turbines, compressors, pumps, fans, and refrigeration systems. Report writing. Laboratory. Must be taken in a,b,c sequence. Prerequisite: 300a.

322-6 (3,3) INTERNAL COMBUSTION ENGINES. (*a*) The design and principles of operation of internal combustion engines. The Otto, Diesel, and Brayton cycles and the fundamental thermodynamic laws involved. (*b*) Theories of combustion and detonation, combustion charts, fuels, and air tables. Effects of chemical equilibrium and variable specific heats. Cetane and octane numbers; carburetion and injection. Must be taken in a,b sequence. Prerequisite: 300b.

326-9 (3,3,3) ADVANCED DESCRIPTIVE GEOMETRY AND PHOTOGRAMMETRY. (*a*) Single-curved surfaces; warped surfaces; double-curved surfaces; intersection of surfaces; development of surfaces. Elements of descriptive-projective geometry. (*b*) Principles and practice of terrestrial and aerial photogrammetric mapping, including planning flights, control surveys, uncontrolled mosaics, radial-line control, simple stereo-plotting instruments, parallel distortions, graphical till determination, trimetrogen charting and economics. (*c*) An advanced study of photogrammetric principles including controlled mosaics, rectification, graphical, mechanical, and analytical space orientation. Readings and reports from current technical literature. The principles of many photogrammetric plotters are studied together with economic relation of these instruments to density of field control, office methods, and personnel. Laboratory. Must be taken in a,b,c sequence. Prerequisite: 263.

332-9 (3,3,3) ELECTRICAL MACHINERY. (*a*) Introduction to direct and alternating current machinery. Theory and operating characteristics. (*b*) Advanced studies on polyphase alternators, motors, machinery, and power generation. Laboratory. Must be taken in a,b,c sequence. Prerequisite: 204.

336-9 (3,3,3) ELECTRICAL MEASUREMENTS. (*a*) Theory and use of D.C. and A.C. instruments; analysis of sensitivity, accuracy, precision, and error. (*b*) A study of ammeters, voltmeters, and wattmeters. Energy measurements, watt-hour and demand meters. (*c*) Theory and application of

- impulse testing; oscillography; standards and tests. Laboratory. Must be taken in a,b,c sequence. Prerequisite: 204.
- 337-9 (3,3,3) **INDUSTRIAL ELECTRONICS AND COMMUNICATIONS.** (a) A study of electronic instrumentation; controlled rectifiers; magnetic amplifiers; induction and dielectric heating. (b) Theory of transmitter, receiver and television operating procedures. (c) Continuation of *a* and *b*. Laboratory. Must be taken in a,b,c sequence. Prerequisite: 204.
- 338-12 (4,4,4) **ELECTRICAL INSTRUMENTATION.** (a) A discussion of the basic operating principles of control instruments and their applications to industrial processes. (b) The application of commercially available instruments to research problems. Dynamic and static calibration of instruments. (c) Control elements and techniques for devices and processes, dynamics of open and closed cycle control systems. Laboratory. Must be taken in a,b,c sequence. Prerequisite: 204, 318.
- 340-4 **MECHANISMS.** The movement of bodies in space, basic mechanisms including analytical and graphical analysis. Linkages, cams, gears and their manufacture. Vibration, critical speeds, and gyroscopic applications. Laboratory. Prerequisite: 260c.
- 342-9 (3,3,3) **ENGINEERING TECHNOLOGY DESIGN.** An elective project on any engineering subject selected by the student with advice from the instructor. Stimulates original thought and creativity. Laboratory. Must be taken in a,b,c sequence. Prerequisite: 204, 300, 311.
- 347-9 (3,3,3) **FOUNDATION ENGINEERING.** (a) Subsurface investigation, theory of consolidation and settlement, strength theory and conditions of failure due to stresses imposed by engineering structures on foundation materials. (b) Study of the principal problems involved in the analysis, design, and construction of foundations for buildings, highways and other engineering structures. (c) Science of soil stabilization, utilization of stabilization agents, stabilization of foundation materials. Laboratory. Must be taken in a,b,c sequence. Prerequisite: 314.
- 349-9 (3,3,3) **AGRICULTURAL DESIGN.** (a) Analysis of factors affecting farm buildings, functional planning and structural design of various farm buildings. (b) Analytical study of operating characteristics of selected farm equipment and machinery. (c) Analysis of distribution, lighting, motors, and controls as applied to agriculturally related operations. Laboratory. Must be taken in a,b,c sequence. Prerequisites: 204, 300b, 311.
- 361-4 **ENGINEERING ECONOMICS.** (See Engineering 361.)
- 364-6 (3,3) **SURVEYING AND HIGHWAY DESIGN.** (a) Applications of route surveying and photogrammetry to highway location and design. Highway administration, planning, economics and finance; geometric design; traffic engineering; drainage; subgrade; base courses; design and construction of flexible and rigid pavement. (b) Advanced highway surveying; applications of interpretation of aerial photographs; geometric highway design, traffic engineering, bituminous materials and airport design and engineering. Laboratory. Must be taken in a,b sequence. Prerequisite: 263, 314 (concurrently).

INDUSTRIAL EDUCATION

- 100-2 **ORIENTATION IN INDUSTRIAL EDUCATION.** Introduction to the various phases of industrial education to enable the student to develop

an understanding of the role of industrial education in industry and in education, and to help guide his thinking in relation to occupational goals. No prerequisite.

- 217-4 GENERAL TYPOGRAPHY. (Same as Printing and Photography 217B.) After brief introductory work in screen and block typography, major portion of course is devoted to study of foundry type, type classifications use of job cases, hand typesetting, layout, use of illustrations, and proof-pulling. Laboratory. No prerequisite.
- 235-9 (3,3,3) TECHNICAL DRAFTING. (Same as Industrial Technology 235.) (a) Basic fundamentals and principles of drafting. Emphasis on orientation, techniques, reading and understanding the language of industry. (b) Emphasis on drafting problems and an understanding of complete working drawings, pattern development, and reproduction techniques. (c) Machine drafting, including detail and assembly drawings of machines and machine parts. Laboratory. Must be taken in a,b,c sequence. No prerequisite.
- 259-3 to 60 SHOP AND DRAFTING SUBJECTS. This is a designation for shop or drawing credit earned, or for trade proficiency, when credit is to be established for work above the high school level. It may be used toward degree requirements in the trade and industries specialization. Credit in this course will be established by departmental evaluation. Prerequisite: junior standing.
- 300-12 (4,4,4) PLASTIC MATERIALS AND PROCESSES. (Same as Industrial Technology 300.) (a) An introduction to the general field of plastics. History, development, commercial materials, and processing will be explored. (b) Thermoplastics, including a study of the materials, equipment, design, tooling, and techniques of forming. (c) Thermo-setting plastics and specialized processing and converting, including advanced techniques and experimental development with all types of plastics. Laboratory. May be taken in any sequence. Prerequisite: 312a or one year high school woodworking.
- 302-4 CONSTRUCTION METHODS FOR PRIMARY TEACHERS. Various media such as wood, metal, and paper. Acquainting the primary teacher with the materials, tools, and processes which students at the primary level can manipulate and use in the classroom. Laboratory. No prerequisite.
- 303-4 DIVERSIFIED CRAFTS FOR TEACHERS AND RECREATIONAL LEADERS. Experience in constructional activities involving the use of wood, metals, leathers, plastics, reed, raffia, clay, and other materials adaptable to the needs and interests of camp counselors and elementary school leaders. Laboratory. No prerequisite.
- 309-12 (4,4,4) GRAPHIC ARTS. (Same as Industrial Technology 309.) (a) An introduction to the basic fundamentals of graphic arts such as layout, type composition, presswork, bookbinding, silk screen, linoleum block, and photography. (b) Continuation of fundamentals with special emphasis on typography, press operation, and offset lithography. (c) Advanced techniques of typographic design, further experiences in letterpress, lithography, copy preparation, and plate making. Laboratory. Must be taken in a,b,c sequence. Prerequisite: one course in drafting.
- 312-9 (3,3,3) WOOD PRODUCTS AND PROCESSES. (Same as Industrial Technology 312.) (a) Introduction to processing of wood materials and use of the basic industrial tools and machines. (b) Industrial jigs and fix-

- tures of the wood industry and their use in production techniques. (c) Custom design and fabrication with wood materials and research on industrial technology in processing. Laboratory. Must be taken in a,b,c sequence. Prerequisite: one course in drafting.
- 319-24 (3 per quarter) **INDUSTRIAL INTERNSHIP**. Industrial experience includes job skills, manufacturing processes, technical information, and labor-management relationships with supervised instruction, conferences and examinations. Prerequisite: consent of chairman.
- 320-12 (4,4,4) **INDUSTRIAL CRAFTS**. (Same as Industrial Technology 320.) (a) Basic designing, decorating, and fabricating of a variety of craft materials such as reed, textiles, plastics, leather, ceramics, wood, and metal. (b) Continuation of basic fundamentals with special emphasis on art metal techniques and processing. (c) Emphasis upon creative design and new techniques with all craft media, but special emphasis on leather and industrial fabrics. Laboratory. Must be taken in a,b,c sequence. Prerequisite: one course in drafting.
- 322-9 (3,3,3) **MACHINING OF METALS**. (Same as Industrial Technology 322.) (a) Introduction to machine shop theory and practice: provides skill and information in using the basic machine tools. (b) Provides skill and information in using basic and specialized machine tools. (c) Provides additional skill and information in the use of specialized machine tools with emphasis on production problems. Laboratory. Must be taken in a,b,c sequence. Prerequisite: one course in drafting.
- 327-9 (3,3,3) **MATERIALS, PROCESSES, AND FABRICATION OF METALS**. (Same as Industrial Technology 327.) (a) Study of the basic tools, materials and manipulative processes used in a number of metalworking areas. (b) Designing, planning and fabrication of metal products; industrial processes and mass production applications; properties of metals. (c) Basic processes, materials, and equipment in forming, fabrication, and decorating of metal products with special emphasis on the non-ferrous metals and alloys. Laboratory. May be taken in any sequence. Prerequisite: one course in drafting.
- 343-9 (3,3,3) **ELECTRICITY-ELECTRONICS**. (a) An introduction to electricity and electronics. (b) Introduction to vacuum tubes and associated circuitry. (c) Advanced application of electronic theory with emphasis on electronic control circuits. Laboratory. Must be taken in a,b,c sequence. No prerequisite.
- 380-12 (1 per quarter) **SPECIAL SKILLS IN TEACHING TECHNOLOGICAL SUBJECTS**. Develops new and special industrial skills for teaching industrial and technological subjects. For advanced students and teachers to develop new but basic manipulative skills and understandings in selected areas. Prerequisite: 12 hours in industrial education.
- 408-3 **TEACHING AIDS IN TECHNOLOGICAL EDUCATION**. Selection, development, analysis, cataloging, and use of commercial and self-made instructional aids and devices. Prerequisite: consent of instructor.
- 430-8 (2,2,2,2) **SPECIAL PROBLEMS IN INDUSTRY AND TECHNOLOGY**. Special opportunity for students to obtain assistance and guidance in the investigation and solution of selected technical problems. Prerequisite: consent of instructor.
- 435-12 (6,6) **MANUAL ARTS INTERNSHIP**. Supervised hospital experience featuring various applications of manual arts therapeutical treatments. Prerequisite: consent of department.

- 450-12 (1 to 4 per quarter) **ADVANCED TECHNIQUES IN TECHNICAL SUBJECTS.** Modern industrial practices and techniques in various selected technical fields. For experienced persons seeking an opportunity to develop advanced techniques and to increase understanding in specialized industrial fields. Emphasis on modern industrial processes, methods, materials, and techniques used in school shops, drafting rooms, and industrial organizations. Prerequisite: basic training in area selected for study. Limited to certified teachers.
- 465-9 (3,3,3) **INDUSTRIAL SAFETY.** (Same as Industrial Technology 465.) (a) Basic fundamental principles and practices used in industrial accident prevention; accident statistics; industrial hazards; mechanical safeguards. (b) Safety management, supervision, and organization of effective accident prevention programs; safety psychology; safety training and education. (c) Industrial hygiene and health safeguards; occupational diseases; toxic substances; chemical hazards; radiological safety; industrial fire prevention and control. Must be taken in a,b,c sequence. Prerequisite: 12 hours in technical subjects.
- 480-3 **PROBLEMS OF JUNIOR HIGH SCHOOL INDUSTRIAL ARTS.** Ways and means of correlating industrial arts with other curriculum areas, selecting content, and solving problems pertinent to industrial arts at the junior high school level. Prerequisite: 12 hours in technical subjects.
- 485-3 **PRINCIPLES AND PHILOSOPHY OF INDUSTRIAL, VOCATIONAL, AND TECHNICAL EDUCATION.** An understanding of the nature and purpose of practical arts, vocational and technical education, their relationships and differences, and the place of each in preparing people for the world of work. No prerequisite.
- 487-3 **LAYOUT AND PLANNING OF TECHNICAL FACILITIES.** Principles and practices underlying the planning and designing of shops and laboratories in vocational, industrial, and technical education. Prerequisite: 12 hours in technical subjects.
- 491-6 (3,3) **PRINCIPLES OF INDUSTRIAL TEACHING.** (a) Problems and special methods in teaching industrial arts. (b) Emphasis on methods of teaching trade subjects. May be taken in either sequence. Prerequisite: one half of major must be completed.
- 494-3 **ORGANIZATION AND ADMINISTRATION OF INDUSTRIAL EDUCATION.** Principles and policies governing the administration of industrial education programs in elementary, junior, senior high schools; relation of federal and state supervision of industrial education to local administration. Prerequisite: 12 hours in technical subjects.
- 495-3 **OCCUPATIONAL ANALYSIS.** Involves the fundamental steps for analyzing trades and other occupations with some thought toward establishing appropriate units of instruction for the apprentice or student. Jobs, operations, and essential related information are analyzed. Prerequisite: 12 hours in technical subjects.
- 496-3 **SELECTION AND ORGANIZATION OF SUBJECT MATTER.** Selection and arrangement of teaching content; preparation of assignment, operation, information, and job sheets; preparation of tests. Prerequisite: 12 hours in industrial education.
- 497-3 **TEACHING OF READING IN TECHNOLOGICAL EDUCATION.** An understanding of the literature available, one's obligation for keeping abreast of new developments and emphasis on reading and scanning for

new ideas in student's specialized field. Prerequisite: 12 hours in industrial education.

- 498-3 PLANNING MULTIPLE ACTIVITY PROGRAMS. Philosophy, techniques and administration of laboratories and shops featuring multiple offerings. Prerequisite: consent of instructor.

Courses on the 500 level are for graduate students only and are described in the Graduate School bulletin.

- 502-6 MEASUREMENTS AND EVALUATIONS OF PRODUCTS AND PROCEDURES.

- 504-4 HISTORY OF INDUSTRIAL AND VOCATIONAL EDUCATION.

- 505-4 ADMINISTRATION AND SUPERVISION OF INDUSTRIAL EDUCATION.

- 506-4 CO-OPERATIVE PROGRAMS.

- 540-2 to 6 RESEARCH IN TECHNOLOGICAL EDUCATION.

- 541-4 OCCUPATIONAL INFORMATION AND GUIDANCE.

- 550-4 COLLEGE TEACHING OF INDUSTRIAL AND TECHNICAL SUBJECTS.

- 560-12 (1 per quarter) NEW DEVELOPMENTS IN TECHNOLOGICAL EDUCATION.

- 570-2 to 6 SPECIAL INVESTIGATIONS IN INDUSTRIAL EDUCATION.

- 580-3 to 9 SEMINAR IN TECHNOLOGICAL EDUCATION.

- 599-3 to 9 THESIS.

INDUSTRIAL TECHNOLOGY

- 212-9 (3,3,3) WOOD SCIENCE AND TECHNOLOGY. (a) Wood science; a study of the structure and properties of wood. (b) New wood products and their industrial uses. (c) Modern industrial processes in wood technology including plant layout and production management. Laboratory. Must be taken in a,b,c sequence. No prerequisite.

- 216-9 (3,3,3) MATERIALS AND PROCESSES OF INDUSTRIAL COVERINGS. (a) Basic materials and processes used in surface coverage and decoration of forms, frames and bodies. (b) Fabric and plastic material and processes used on firm and cushioned surfaces. (c) Techniques and processes in flat surface coverings such as plastics, ceramics, metal, etc. Laboratory. May be taken in any sequence. No prerequisite.

- 227-9 (3,3,3) MANUFACTURING PROCESSES. (a) Analysis of tools and the basic processes of machining, forming and shaping materials used in modern manufacturing. (b) A study of the principles and procedures involved in casting, forming, and joining of industrial materials. (c) A study of fabrication, assembly, and methods of manufacture with emphasis on machine tools, automatic machines, and correlation of design with materials and processes. Laboratory. Must be taken in a,b,c sequence. No prerequisite.

- 235-9 (3,3,3) TECHNICAL DRAFTING. (See Industrial Education 235.)

- 271-12 (4,4,4) GRAPHIC ARTS TECHNOLOGY. (a) Machine composition, including keyboard operation, nomenclature, use, care, and operation of linecasting machines. (b) Offset lithography, including camera work,

plate making, and press work. (c) Printing design, including type design, commercial layouts, color, papers, cover design folders, booklets, book-binding, presswork, printing economics, advanced lithography, advanced machine composition, and advanced printing mechanics. Laboratory. Must be taken in a,b,c sequence. Prerequisite: 309a.

300-12 (4,4,4) PLASTIC MATERIALS AND PROCESSES. (See Industrial Education 300.)

304-9 (3,3,3) ARCHITECTURAL DRAFTING AND DESIGN. (a) Basic room planning, analysis of family needs, utilization of building sites, and developing preliminary plans. (b) Preparation of house plans, including elevations, details, plot plan, and service plans. (c) Advanced residential planning and designing; standards, codes, specifications, and research. Laboratory. Must be taken in a,b,c sequence. Prerequisite: 235a or one course in high school drafting.

305-9 (3,3,3) TECHNICAL ILLUSTRATION. (a) Basic pictorial illustration, sketching angular perspective and parallel perspective. (b) Tone values and rendering various industrial materials in illustrations, technical and pictorial sketching. (c) Idea computation, detail, assembly, oblique, diagrammatic and axonometric sketching, manufacturing, maintenance, and assembly illustration. Integrated system schematics. Laboratory. Must be taken in a,b,c sequence. Prerequisite: 235a.

306-9 (3,3,3) INDUSTRIAL DESIGN. (a) Basic design with industrial materials. (b) Advanced design problems with opportunity for concentration in one or two areas of industry. (c) Applied industrial design through co-operative arrangements with industry. Laboratory. Must be taken in a,b,c sequence. Prerequisite: 235b.

309-12 (4,4,4) GRAPHIC ARTS. (See Industrial Education 309.)

312-9 (3,3,3) WOOD PRODUCTS AND PROCESSES. (See Industrial Education 312.)

318-9 (3,3,3) WELDING AND FOUNDRY PROCESSES. (a) Basic tools, materials and industrial processes used in making patterns and molds in the casting of ferrous and non-ferrous metals and alloys. (b) Fundamentals in the techniques, care, and use of oxy-acetylene and electric arc welding and flame cutting equipment on the common metals. (c) Advanced instruction in the use of oxy-acetylene, electric arc, tungsten arc, and automatic equipment in the welding of all kinds of metals; metallurgical aspects of metals and welds, testing procedures, and standards. Laboratory. Prerequisite: (a,b) 327a; (c) 318b.

320-12 (4,4,4) INDUSTRIAL CRAFTS. (See Industrial Education 320.)

322-9 (3,3,3) MACHINING OF METALS. (See Industrial Education 322.)

325-9 (3,3,3) PRECISION FORMING AND SHAPING OF METALS. (a) Advanced machine-tool techniques related to the production of precision-made metal parts. (b) Specialized machine-tool techniques for the development of devices used in the transmission of machine power. (c) Methods and procedures in the set up and scheduling of automatically controlled machine tools. Laboratory. Must be taken in a,b,c sequence. Prerequisite: 322c.

327-9 (3,3,3) MATERIALS, PROCESSES, AND FABRICATION OF METALS. (See Industrial Education 327.)

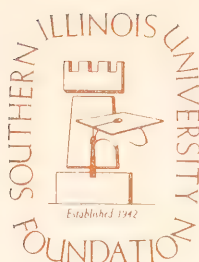
332-12 (4,4,4) POWER MECHANICS. (a) An introduction to the fundamentals of power development, generation, and transmission, including such areas as heat engines, hydraulics, wind, electrical levers, and gears. (b)

- Continuation of fundamentals of power with special emphasis on fuel type engines, their design, construction, operating principles, and major operating systems. (c) Automotive internal combustion engines, chassis and power transmission. Emphasis on construction, operation and care. Laboratory. Must be taken in a,b,c sequence. No prerequisite.
- 341-9 (3,3,3) INDUSTRIAL MAINTENANCE. (a) Care, repair, sharpening and maintenance of cutting tools, hand tools, portable power tools, and machine tools. (b) Installation procedures, equipment layout, replacement of parts, and upkeep of plant services, facilities and shop equipment; preventive maintenance procedures, inspection and inventory. (c) Characteristics, properties, and maintenance problems of mechanical equipment, hydraulic systems, and electrical motors and controls; lubrication, bearings, belts, drive components. Laboratory. Must be taken in a,b,c sequence. Prerequisite: 312a, 327a.
- 342-9 (3,3,3) PROTECTIVE AND DECORATIVE COATINGS. (a) Methods, tools, and equipment used in finishing the common industrial materials; surface preparations; application procedures, types of finishes; and restoring and refinishing techniques. (b) Industrial materials, processes and equipment used in applying protective and decorative coatings; spraying techniques and testing procedures used on industrial finishes. (c) Composition, properties, and performance of industrial finishes, metallic and organic coatings; management and theory of colors; and new industrial finishing processes. Laboratory. Must be taken in a,b,c sequence. Prerequisite: 312a, 327a.
- 343-9 (3,3,3) ELECTRICITY-ELECTRONICS. (See Industrial Education 343.)
- 345-9 (3,3,3) INDUSTRIAL ELECTRONICS. (a) Study of basic principles, concepts, and techniques in industrial application of electronics. (b) Analysis of complex circuits for fundamental principles and concepts which facilitate trouble shooting of industrial equipment. (c) Principles and concepts involved in multivibrators, oscillators, pulse generators and computer circuits. Laboratory. Must be taken in a,b,c sequence. Prerequisite: 343b.
- 351-9 (3,3,3) INDUSTRIAL TOOL DESIGN. (a) Theory and practice in the design of basic jigs and fixtures used in the metalworking industry. (b) A continuation, with emphasis on special tooling for continuous production equipment. (c) Design and development of gauges and measuring devices for controlled production equipment. Laboratory. Must be taken in a,b,c sequence. Prerequisites: 322c, Technology 300b.
- 465-9 (3,3,3) INDUSTRIAL SAFETY. (See Industrial Education 465.)

TECHNOLOGY

Course 300 is required of all School of Technology students.

- 300-9 (3,3,3) APPLICATION OF FUNDAMENTAL PHYSICAL PRINCIPLES. A general coverage of applied science and the physical principles which control man's exploitation of scientific discovery. (a) Applied mechanics and the properties of materials. (b) Electricity, electronics, circuits, and devices. (c) Wave phenomena, heat, power, and exchange principles.
- 599-3 to 9 THESIS.



Southern Illinois University Foundation

The Southern Illinois University Foundation is a nonprofit corporation chartered by the state and authorized by the Board of Trustees to receive gifts for the benefit of the University, to buy and sell property, and otherwise to serve the University.

It respectfully asks alumni and other citizens of Southern Illinois to consider making gifts and bequests to benefit the University. Such gifts should be conveyed to the Foundation, with proper stipulation as to their uses. The Foundation, through its officers and members, will be glad to confer with intending donors regarding suitable clauses to insert in wills and suitable forms of gifts and memorials, including bequests by means of life insurance. Large or small gifts to the library will be appreciated; likewise, gifts for special equipment, buildings, endowment of professorships in particular subjects, gifts to student loan funds and scholarship funds, gifts for the use of foreign students, and endowments for particular sorts of research. Any gifts or bequests can be given suitable memorial names.

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Southern Illinois University

Bulletin



*Division of Technical and
Adult Education*

1964 - 66

Objectives of Southern Illinois University

TO EXALT BEAUTY

IN GOD,
IN NATURE,
AND IN ART,
TEACHING HOW TO LOVE THE BEST
BUT TO KEEP THE HUMAN TOUCH.

TO ADVANCE LEARNING

IN ALL LINES OF TRUTH
WHEREVER THEY MAY LEAD,
SHOWING HOW TO THINK
RATHER THAN WHAT TO THINK,
ASSISTING THE POWERS
OF THE MIND
IN THEIR SELF-DEVELOPMENT.

TO FORWARD IDEAS AND IDEALS

IN OUR DEMOCRACY,
INSPIRING RESPECT FOR OTHERS
AS FOR OURSELVES,
EVER PROMOTING FREEDOM
WITH RESPONSIBILITY.

TO BECOME A CENTER OF ORDER AND LIGHT

THAT KNOWLEDGE MAY LEAD
TO UNDERSTANDING
AND UNDERSTANDING
TO WISDOM.

Division of Technical and Adult Education

Announcements for 1964-1966



SOUTHERN ILLINOIS UNIVERSITY BULLETIN
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The following issues of the *Southern Illinois University Bulletin* may be obtained without charge from Central Publications, Southern Illinois University, Carbondale, Illinois 62903.

General Information
General Studies and AF ROTC
Summer Session (Carbondale)
Summer Session (Edwardsville)
Schedule of Classes (Carbondale)
Schedule of Classes (Edwardsville)
Divisional Announcements (Edwardsville)
Graduate School
College of Education
College of Liberal Arts and Sciences
School of Agriculture
School of Business
School of Communications
School of Fine Arts
School of Home Economics
School of Technology
Division of Technical and Adult Education

All intending students should have the General Information bulletin (issued once a year), plus the special bulletins of the various educational units in which they are most interested.

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This Bulletin

covers in detail questions concerning the Division of Technical and Adult Education. It does not cover all questions concerning Southern Illinois University. For complete information about the University the prospective student should refer to the General Information bulletin.

This issue supersedes Volume 2, Number 7.

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BUILDINGS
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P247t

GRAPHIC SCIENCE
FRENCH AND VIERCK
744.2
F176t

TEXTBOOK OF
WOOD
TECHNOLOGY
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Division of Technical and Adult Education

SOUTHERN ILLINOIS UNIVERSITY was established in 1869 as Southern Illinois Normal University. The shortened name became official in 1947 by action of the state legislature. The University now operates two major campuses, located at Carbondale and Edwardsville.

In September, 1953, the Division of Technical and Adult Education was established by action of the Board of Trustees, with the appointment of a regularly constituted academic dean. From 1950 to 1953, some types of instruction had been given under different administrative responsibility.

The responsibilities of the division, as set forth in the By-laws and Statutes of the Board of Trustees, Southern Illinois University, are two-fold:

1. To administer the Vocational-Technical Institute as an agency in advisement and instruction of
 - a. Students enrolling in vocational and technical credit courses leading toward the two-year Associate in Business or Associate in Technology degree.
 - b. Other students enrolling in one-year vocational or technical courses toward a certificate.
2. To administer noncredit adult education courses taught by staff of the Vocational-Technical Institute, other academic units of the University, and qualified persons successfully active in industry, business, and the professions.

Both functions of the division have experienced rapid growth due to the offerings which have met particular occupational training needs in business, merchandising, technical, and semiprofessional fields. The Vocational-Technical Institute's programs are carefully planned to meet changing demands in business and industry. Most of the adult education courses result from co-operative planning with local and association educational committees.

Vocational-Technical Institute

THE VOCATIONAL-TECHNICAL INSTITUTE was established in September, 1952, to provide college-level programs of instruction of shorter duration than the usual four-year programs. The institute's programs qualify students for employment at the semiprofessional and technical level in industry and business. A combination of technical courses and general-education courses is included in each curriculum to provide a comprehensive preparation for occupational competence.

Scientific and technical changes have increased the possibilities for employment at the technician's level. For every professional person, industry and business require two to seven properly trained technicians.

The institute's campus, called Southern Acres, is about ten miles east of Carbondale and five miles west of Marion on old Route 13. Buildings in the administration area of the former Illinois Ordnance Plant have been remodeled, and additional buildings have been added for instruction, food services, recreation, and housing. Hourly bus service between Southern Acres and Carbondale is free for all students of the University.

FACULTY

Professors Harry B. Bauernfeind, M. Keith Humble, Ernest J. Simon. *Associate Professors* Ralph Benton, William Cundiff, Walter Elder, Marvin Hill, William Nagel, Karl Webber. *Assistant Professors* Clarence Beauchamp, Daniel Boza, Ruth Burnett, Eleanor Bushee, Richard Chiles, Jason Collins, Charles Crookshank, Murnice Dallman, Charles Green, John Griswold, Chester Johnston, Marjorie Jones (on leave), Joseph Lete, Paul Lougeay, John McDermott, Winifred Mitchell, Frank Muhich, Adrian Pollack, James A. Robb, Raymond Schultz, Harry Soderstrom, Gene Trotter, Lucien Willey, Glenn Wills. *Instructors* Frank Bietto, Jack Bizzel, Dorothy Bleyer, Peter Bykowski, Paul Caldwell, Joseph Crenshaw, Charles Crowe, Jean Danielson (on leave), Margaret Garrison, James Harbison, Richard Hoffman, Duncan Lampman, John McCarty, James McDonald, Theresa Miriani, Harold Moore, Harold Osborn, Marilyn Paulk, George W. Pennock, O. B. Ray, William Rice, Jane Rocconi, Kermit Ruyle, Lucy P. Stewart, James Tooley, Lelan G. Traylor, Frank Vaughn, James E. White, Arthur Workun. *Assistant Instructors* Katherine Christensen, Mary Wright.

Visiting Professors Alfred E. DiPietro, Christ Kardas, Paul Paulsen, Lewis Runkle. *Lecturers* Minnie Alcorn, Lureta Cassidy, Beatrice Chiodini, Clarence Christensen, Raymond Christensen, Charles Christy, Arthur G. Greer, Lois Hedges, Paul Jones, William Joy, Wilma Lampman, Gladys McVey, Emily Morris, Garey Redmond. *Adult Education Supervisor* Victor Honey.

DEGREES AND CERTIFICATES

The Vocational-Technical Institute offers three types of programs for high school graduates:

1. Two-year programs leading to an Associate in Business degree;
2. Two-year programs leading to an Associate in Technology degree;
3. One-year programs, each leading to a certificate in practical nursing, cosmetology, welding, calculating machines, bookkeeping-clerical, or stenographic.

The Vocational-Technical Institute is not a trades school. Its graduates are more than repairmen, servicemen, or tradesmen. A technician in any field must know more than just the *How*. He must also know the *Why*. He must know how to read and comprehend technical material. A technician is a problem solving individual. He must be able to speak and write with clarity and understanding. He must know something of the world of business and economics. He must understand the physical world around him. He must be able to understand and get along with people.

In order to qualify for the Associate in Technology degree or the Associate in Business degree, a student must have a required amount of general instruction, which is provided by the General Studies program. Requirements for general courses vary from field to field. Each program prescribes its required courses. Any General Studies course may be taken as an elective.

The art of communication is provided by English composition, correspondence, English analysis, and speech. A refresher on the mathematical tools includes a review of arithmetic, algebra, geometry, and trigonometry. The sciences are represented by basic studies in physics and chemistry. The life sciences are represented by biology and physiology. Government, economics, and psychology are offered to help students meet the problems of the business and technical world.

The institute's programs should not be confused with the first two years of any of the four-year programs offered by other academic units of the University. The extent to which credit earned in the various programs of the institute may be transferred to any of the four-year programs, or vice versa, will be determined by the Registrar in co-operation with the deans of the appropriate academic units. Transferrable credits will be evaluated on the basis of the student's previous course of study in relation to the requirements of his desired new program.

The *quarter hour* is the unit of credit used at Southern and throughout this bulletin. One quarter hour is two-thirds of a semester hour.

STUDENT ORGANIZATIONS AND ACTIVITIES

Students share in the government of the institute under the supervision of the administration. The Student Council sponsors activities and makes recommendations on school matters to the director. Student activity is supplemented by various student clubs with local and national affiliation. Each of these student organizations offers further development of character, professional ethics, leadership, and wholesome social recreation.

Recreational facilities are available at Southern Acres for indoor and outdoor activities. Crab Orchard Lake, which is less than a mile away, and Campus Lake, at Carbondale, afford excellent facilities for swimming, fishing, boating, and picnicking.

ADMISSION AND REGISTRATION

Admission to the Vocational-Technical Institute should be initiated through the University's Admissions Office at Carbondale. Application for admission should be initiated at least thirty days in advance of the desired entrance date. High school seniors should start the admission process during the first semester of their senior year, but their formal admission will not be considered until after receipt of the high school record showing completion of the seventh semester of high school work.

At the time a student is admitted, he receives information concerning registration dates and procedures.

COMPLETE DETAILS concerning admission, tuition, fees, housing, degree requirements, and student employment are given in the General Information bulletin. For a free copy write to Central Publications, Southern Illinois University, Carbondale, Illinois 62903.

ADVISEMENT

Institute students participate in the same entrance test program as students entering four-year programs. Each student is assigned to an adviser who assists him in planning his program in a way to provide him an opportunity to acquire the highest vocational or technical competence.

TUITION AND FEES

At the present time legal residents of Illinois registered for more than eight hours pay a total of \$61.50 per quarter. This includes \$42.00 tuition, a \$5.00 book rental fee, a \$5.00 student union building fund fee, and a \$9.50 student activity fee. Out-of-state students pay an additional \$50.00 tuition, or a total of \$111.50. Students registered for eight hours or fewer pay one-half tuition, one-half book rental fee, full student union building fund fee; they have the option of paying the student activity fee.

SPECIAL SERVICES

Students at the Vocational-Technical Institute enjoy the benefits and privileges generally available to students of the University. Meals may be purchased at the cafeteria at Southern Acres and at the University Center at Carbondale. Regular facilities of the Health Service are supplemented by a local doctor, a nearby hospital, and a nurse whose headquarters are at Southern Acres. Textbooks are issued at Southern Acres at the beginning of each quarter through the Textbook Service and are returned at the end of the quarter. Supplies and supplemental educational materials may be purchased at the University Store. The Placement Service, which is in contact with industrial, business, and professional groups, arranges interviews for graduates and provides credentials to prospective employers. Assistance from the Placement Service is available at Southern Acres. A branch of the University Libraries operates at Southern Acres, and the facilities of Morris Library at Carbondale are available. Hourly bus service between Southern Acres and Carbondale is free for students and faculty.

PROGRAMS IN BUSINESS

Business programs at the Vocational-Technical Institute are of two types: (1) two-year programs in various phases of business leading to an Associate in Business degree and (2) one-year programs each leading to a certificate in calculating machines, bookkeeping-clerical, or stenographic.

Each program described on the following pages is arranged by quarter. The arrangement, however, may be modified to meet individual needs.

The business programs train young men and women for their initial jobs in accounting; electronic data processing; executive, legal, or medical secretarial work; clerical bookkeeping; office machine operation; and retail-

ing. In addition to skill training, related courses are required which give the student business-background information as a basis for occupational advancement.

ASSOCIATE IN BUSINESS DEGREE PROGRAMS

Each candidate for the Associate in Business degree must complete a minimum of 96 hours of approved courses plus any deficiency requirements in the chosen field of specialization which are apparent when the adviser prepares the student's program. Some of the programs require as many as 109 hours.

Placement tests will be given to students who have had typewriting and shorthand in high school. Evidence of proficiency, as shown by the placement tests, permits students to take electives in lieu of some required courses.

Accounting

These courses offer thorough and practical training for a position as bookkeeper, payroll clerk, junior accountant, or assistant to an accountant or auditor. Positions with governmental agencies and in public accounting are also filled by graduates.

A minimum of 103 hours must be completed for graduation.

FIRST QUARTER

Accounting	VTI B 101-7
Fundamentals of Business	VTI B 126-3
Data Processing	
Mathematics	† VTI E 100-5
English Composition	* GSD 101-3

SECOND QUARTER

Accounting	VTI B 101-5
Calculating Machines	VTI K 101-3
Typewriting	VTI S 101-3
English Composition	GSD 101-3
Elective	3

THIRD QUARTER

Accounting	VTI B 101-4
Job Cost Accounting	VTI B 130-4
Culture, Society, Behavior	GSB 201b-3
Political Economy	GSB 211-3
Oral Communication of Ideas	GSD 103-3

FOURTH QUARTER

Accounting	VTI B 201-4
Process Cost Accounting	VTI B 204-4
Business Law	VTI B 226-4

Office Administration and Supervision

VTI B 227-5

FIFTH QUARTER

Business Law	VTI B 226-4
Federal Taxes	VTI B 233-5
Business Statistics	VTI B 235-4
Credits and Collections	VTI B 275-4

SIXTH QUARTER

Accounting	VTI B 201-4
Auditing	VTI B 230-5
Personality Development	VTI S 125-2
or	
Job Orientation	VTI X 201-2
Political Economy	GSB 211-3
Elective	3

RECOMMENDED ELECTIVES

Business Correspondence	VTI G 101-3
Labor Management Relations Problems	VTI G 232-4
Calculating Machines	VTI K 101-3
Personnel Management	VTI R 227-3
Typewriting	VTI S 101-3
Filing and Duplicating	VTI S 107-2

Electronic Data Processing (Business Option)

Punched card preparation, electro-mechanical machines operation, and electronic computers are processes and equipment used by the student who aspires to become a programmer. Courses in the theory of accounting, cost accounting, and related fields in business are required to complete this two-year program. Upon successful completion of this course, the student will be sufficiently trained to work in data processing and computer centers where the knowledge of programming is a prerequisite for working with electronic computers and related machines.

A minimum of 102 hours must be completed for graduation.

FIRST QUARTER

Data Processing	
Mathematics	† VTI E 100-5
Automatic Data Processing	
Machines	VTI E 101-3
Accounting	VTI B 101-7
English Composition	* GSD 101-3

SECOND QUARTER

Data Processing	
Mathematics	VTI E 100-4
Automatic Data Processing	
Machines	VTI E 101-5
Accounting	VTI B 101-5
English Composition	GSD 101-3

THIRD QUARTER

Computer Programming	VTI E 103-5
Data Processing	
Applications	VTI E 104-3
Data Processing	
Information	VTI E 107-2
Accounting	VTI B 101-4
Calculating Machines	VTI K 101-3

FOURTH QUARTER

Business Computer	
Programming	VTI E 203-5

Systems Design and
Development

VTI E 205-5

Job Cost Accounting

VTI B 130-4

Technical Writing

VTI G 102-3

FIFTH QUARTER

Business Computer	
Programming	VTI E 203-5
Programming Systems	VTI E 206-3
Office Administration and	
Supervision	VTI B 227-5
Business Statistics	VTI B 235-4

SIXTH QUARTER

Programming Systems	VTI E 206-7
Data Processing Field	
Project	VTI E 207-3
Culture, Society,	
Behavior	GSB 201b-3
Political Economy	GSB 211b-3

RECOMMENDED ELECTIVES

Business Law	VTI B 226-8
Labor Management Relations	
Problems	VTI G 232-4
Political Economy	GSB 211a-3
Oral Communication	
of Ideas	GSD 103-3

Executive Secretarial

These courses are for students who wish to prepare for positions as professional secretaries in business, industrial, and governmental offices.

† Students who score below a satisfactory level on the mathematics part of the A.C.T. examinations must take VTI G 106-0 prior to taking VTI E 100-5.

* Students who score below a satisfactory level on the English part of the A.C.T. examinations must take GSD 100-0 prior to taking GSD 101-3.

They include a combination of general education and skill-building courses which provide a high degree of occupational competence. Graduates qualify for positions as private secretaries and executive secretaries as well as for department or field positions in federal or state civil service.

A minimum of 99 hours must be completed for graduation.

FIRST QUARTER

Typewriting	VTI S 101-3
Shorthand	VTI S 104-7
Filing and Duplicating	VTI S 107-2
English Composition	* GSD 101-3

SECOND QUARTER

Typewriting	VTI S 101-3
Shorthand	VTI S 104-5
Transcription	VTI S 105-2
Fundamentals of Business	VTI B 126-3
English Composition	GSD 101-3

THIRD QUARTER

Typewriting	VTI S 101-3
Shorthand	VTI S 104-5
Transcription	VTI S 105-2
Business Correspondence	VTI G 101-3
Calculating Machines	VTI K 101-3

FOURTH QUARTER

Typewriting	VTI S 205-3
Shorthand	VTI S 209-5
Transcription	VTI S 221-2
Business Law	VTI B 226-4
Culture, Society, Behavior	GSB 201b-3

FIFTH QUARTER

Personality Development	VTI S 125-2
Legal Dictation Shortcuts	VTI S 224-5
Legal Transcription	VTI S 230-2
Secretarial Accounting	VTI B 104-5
Political Economy	GSB 211b-3

SIXTH QUARTER

Typewriting	VTI S 205-3
Shorthand	VTI S 209-5
Transcription	VTI S 221-2
Secretarial Office Procedures	VTI S 223-5
Oral Communication of Ideas	GSD 103-3

RECOMMENDED ELECTIVES

Co-operative Secretarial Experience	VTI S 214-5
Medical Dictation	VTI S 225-5
Medical Transcription	VTI S 226-2
Accounting	VTI B 101-7
Office Administration and Supervision	VTI B 227-5
Data Processing	
Mathematics	VTI E 100-5
Calculating Machines	VTI K 101-3

Legal Secretarial

The courses provide a proper balance in the secretarial skills and in the special and general knowledge a trained legal secretary needs. Graduates may secure positions as legal secretaries with attorneys, judges, legal consultants or legal departments, or may continue their study in order to become conference or court reporters.

A minimum of 98 hours must be completed for graduation.

FIRST QUARTER

Typewriting	VTI S 101-3	Shorthand	VTI S 104-5
Shorthand	VTI S 104-7	or	
or		Stenograph Machines	VTI H 120-5
Stenograph Machines	VTI H 120-7	Transcription	VTI S 105-2
Filing and Duplicating	VTI S 107-2	or	
English Composition	* GSD 101-3	Stenograph Machines	

SECOND QUARTER

Typewriting	VTI S 101-3	Transcription	VTI H 123-2
		Fundamentals of Business	VTI B 126-3
		English Composition	GSD 101-3

THIRD QUARTER

Typewriting	VTI S 101-3
Shorthand	VTI S 104-5
or	
Stenograph Machines	VTI H 120-5
Transcription	VTI S 105-2
or	
Stenograph Machines	
Transcription	VTI H 123-2
Business Correspondence	VTI G 101-3
Oral Communication of Ideas	GSD 103-3

Jury Charge	VTI H 112-3
Two-Voice Testimony	VTI H 210-4
Political Economy	GSB 211b-3

RECOMMENDED ELECTIVES

Co-operative Secretarial Experience	VTI S 214-5
Accounting	VTI B 101-7
Business Law	VTI B 226-4
Office Administration and Supervision	VTI B 227-5

FOURTH QUARTER

Typewriting	VTI S 205-3
Medical Dictation	VTI S 225-5
Medical Transcription	VTI S 226-2
Calculating Machines	VTI K 101-3
Culture, Society, Behavior	GSB 201b-3

FIFTH QUARTER

Personality Development	VTI S 125-2
Legal Dictation Shortcuts	VTI S 224-5
Legal Transcription	VTI S 230-2
Secretarial Accounting	VTI B 104-5
Business Law	VTI B 226-4

SIXTH QUARTER

Transcription	VTI S 221-2
Secretarial Office Procedures	VTI S 223-5



*Instruction on voice-writing
equipment*

Medical Secretarial

These courses are of special interest to young women with good mental and personal traits and a desire to be of service to the community.

Part-time work experience, in addition to technical and general-background training, is provided in the office of a doctor, dentist, or hospital. This experience leads to such positions, in the medical field, as receptionist-secretary, X-ray secretary and record clerk, hospital records clerk, and secretary in the office of a physician, dentist, or hospital.

A minimum of 100 hours must be completed for graduation.

FIRST QUARTER

Typewriting	VTI S 101-3
Shorthand	VTI S 104-7
Filing and Duplicating	VTI S 107-2
English Composition	* GSD 101-3

SECOND QUARTER

Typewriting	VTI S 101-3
Shorthand	VTI S 104-5
Transcription	VTI S 105-2
Fundamentals of Business	VTI B 126-3
English Composition	GSD 101-3

* Students who score below a satisfactory level on the English part of the A.C.T. examinations must take GSD 100-0 prior to taking GSD 101-3.

THIRD QUARTER

Typewriting	VTIS 101-3	Introduction to Physiology	VTIG 141-5
Shorthand	VTIS 104-5	Oral Communication of Ideas	GSD 103-3
Transcription	VTIS 105-2		
Secretarial Accounting	VTIB 104-5		
Business Correspondence	VTIG 101-3		

FOURTH QUARTER

Typewriting	VTIS 205-3	Typewriting	VTIS 205-3
Medical Dictation	VTIS 225-5	Shorthand	VTIS 209-5
Medical Transcription	VTIS 226-2	Transcription	VTIS 221-2
Calculating Machines	VTIK 101-3	Secretarial Office Procedures	VTIS 223-5
Culture, Society, Behavior	GSB 201b-3	Political Economy	GSB 211b-3

FIFTH QUARTER

Medical Dictation	VTIS 225-5	Co-operative Medical Secretarial Experience	VTIS 218-4
Medical Transcription	VTIS 226-2	Accounting	VTIB 101-7
Personality Development	VTIS 125-2	Business Law	VTIB 226-8
		Introductory Sociology	VTIG 136-5

RECOMMENDED ELECTIVES

Co-operative Retailing

Co-operative retailing is a merchandising program with particular emphasis on retail buying and selling. This two-year offering consists of on-campus instruction and of college-credit work experience in selected merchandising establishments. An opportunity is offered for limited specialization in the areas of apparel, hardline, sundries, groceries, etc.

Learning which results from experience, gained through twenty weeks of on-the-job training during the second school year, is one of the unique features of this program. Those selected merchandising establishments which co-operate with the University to provide this co-operative training program meet certain accepted educational criteria. Through this co-operative arrangement, each student has an opportunity to learn acceptable merchandising information and skills while working in the field.

The University, through its merchandising faculty, makes every effort to provide second year students with satisfactory on-the-job training; however, the student must understand that he has mutual responsibility in finding employment and maintaining satisfactory employee-employer relationships.

In addition to formal course requirements, each student is expected to provide a record of 320 clock hours of satisfactory merchandising experience gained independently of the University before he will be recommended for graduation. This experience can be gained during vacation periods. A minimum of 109 hours must be completed for graduation.

FIRST QUARTER

Introduction to Retailing	VTIR 124-4	Product Information Laboratory	VTIR 177-5
Product Analysis	VTIR 176-3	English Composition	* GSD 101-3

SECOND QUARTER

Product Information	
Laboratory	VTIR 177-5
Culture, Society, Behavior	GSB 201b-3
Political Economy	GSB 211-3
English Composition	GSD 101-3
Elective	3

THIRD QUARTER

Salesmanship	VTIR 127-3
Product Information	
Laboratory	VTIR 177-5
Retail Mathematics	VTIR 179-5
Oral Communication of Ideas	GSD 103-3

SUMMER QUARTER

(Off-Campus twelve weeks)

Co-operative Work	
Experience	VTIR 201-12

FOURTH QUARTER

(On Campus eight weeks)

Records and Statistics	VTIR 206-5
Personnel Management	VTIR 227-3
Labor Management Relations	
Problems	VTIG 232-4
<i>(Off Campus four weeks)</i>	
Co-operative Work	
Experience	VTIR 201-4

FIFTH QUARTER

(On Campus eight weeks)

Merchandising Principles	VTIR 205-4
Retail Store Organization	
and Management	VTIR 224-4
Business Law	VTIB 226-4
<i>(Off Campus four weeks)</i>	
Co-operative Work	
Experience	VTIR 201-4

SIXTH QUARTER

(Off-Campus four weeks)

Co-operative Work	
Experience	VTIR 201-4
<i>(On Campus eight weeks)</i>	
Sales Promotion	VTIR 207-4
Fashion Merchandising	VTIR 208-4
Retail Credits and	
Collections	VTIR 280-3
Personality Development	VTIS 125-2
or	
Job Orientation	VTIX 201-2

RECOMMENDED ELECTIVES

Fundamentals of Business	VTIB 126-3
Office Administration	
and Supervision	VTIB 227-5
Calculating Machines	VTIK 101-3
Typewriting	VTIS 101-3

CERTIFICATE PROGRAMS IN BUSINESS

Bookkeeping-Clerical

Major emphasis is on training which permits students to seek general clerical jobs in business offices as clerk-typists, payroll clerks, inventory clerks, and stock record clerks.

A minimum of 48 hours must be completed for graduation.

FIRST QUARTER

Data Processing	
Mathematics	† VTIE 100-5
Calculating Machines	VTIK 101-3
Typewriting	VTIS 101-3
Filing and Duplicating	VTIS 107-2
English Composition	* GSD 101-3

SECOND QUARTER

Accounting	VTIB 101-7
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Fundamentals of Business	VTIB 126-3
Typewriting	VTIS 101-3
Culture, Society,	
Behavior	GSB 201b-3

THIRD QUARTER

Calculating Machines	VTIK 101-3
Clerical Procedures	VTIL 111-5
Typewriting	VTIS 101-3

† Students who score below a satisfactory level on the mathematics part of the A.C.T. examinations must take VTIG 106-0 prior to taking VTIE 100-5.

* Students who score below a satisfactory level on the English part of the A.C.T. examinations must take GSD 100-0 prior to taking GSD 101-3.

Personality Development	VTIS 125-2	Business Correspondence	VTIG 101-3
or		Calculating Machines	VTIK 101-3
Job Orientation	VTIX 201-2	Culture, Society,	
Political Economy	GSB 211b-3	Behavior	GSB 201c-3
RECOMMENDED ELECTIVES		English Composition	GSD 101-3
Accounting	VTIB 101-5	Oral Communication	
		of Ideas	GSD 103-3

Calculating Machines

Major emphasis is on training which will enable students to become occupationally proficient in the operation of the major types of machines such as the adding machines, rotary calculators, key driven calculators, accounting machines, key punches, and verifiers.

An minimum of 50 hours must be completed for graduation.

FIRST QUARTER		THIRD QUARTER	
Calculating Machines	VTIK 101-3	Calculating Machines	VTIK 101-3
Typewriting	VTIS 101-3	Punched Card	
Filing and Duplicating	VTIS 107-2	Preparation	VTIB 109-3
Data Processing		Fundamentals of Business	VTIB 126-3
Mathematics	† VTIE 100-5	Personality Development	VTIS 125-2
English Composition	* GSD 101-3	or	
SECOND QUARTER		Job Orientation	VTIX 201-2
Calculating Machines	VTIK 101-3	Political Economy	GSB 211b-3
Clerical Procedures	VTIL 111-5	Oral Communication of Ideas	GSD 103-3
Typewriting	VTIS 101-3	RECOMMENDED ELECTIVES	
Culture, Society,		Accounting	VTIB 101-7
Behavior	GSB 201b-3	Business Correspondence	VTIG 101-3
English Composition	GSD 101-3	Typewriting	VTIS 101-3
		Culture, Society, Behavior	GSB 201c-3

Stenographic

Four academic quarters are normally required for this program. It is an intensive program which provides only the minimum training for an initial stenographic position in business.

A minimum of 69 hours must be completed for graduation.

FIRST QUARTER		THIRD QUARTER	
Typewriting	VTIS 101-3	Calculating Machines	VTIK 101-3
Shorthand	VTIS 104-7	English Composition	GSD 101-3
Filing and Duplicating	VTIS 107-2	Typewriting	VTIS 101-3
Fundamentals of Business	VTIB 126-3	Shorthand	VTIS 104-5
English Composition	* GSD 101-3	Transcription	VTIS 105-2
SECOND QUARTER		Personality Development	VTIS 125-2
Typewriting	VTIS 101-3	Business Correspondence	VTIG 101-3
Shorthand	VTIS 104-5	Culture, Society,	
Transcription	VTIS 105-2	Behavior	GSB 201b-3

FOURTH QUARTER

Typewriting
 Secretarial Office
 Procedures
 Political Economy
 Oral Communication
 of Ideas
 Elective

VTI S 205-3

 VTI S 223-5
 GSB 211b-3

 GSD 103-3
 3

RECOMMENDED ELECTIVES

Typewriting
 Transcription
 Shorthand
 Secretarial Accounting
 Data Processing
 Mathematics
 Calculating Machines

VTI S 205-3
 VTI S 221-2
 VTI S 209-5
 VTI B 104-5

 † VTI E 100-5
 VTI K 101-3

PROGRAMS IN TECHNOLOGY

Technology programs at the Vocational-Technical Institute are, like the business programs, of two types: (1) two-year programs leading to the Associate in Technology degree, and (2) one-year programs each leading to a certificate in cosmetology, practical nursing, or welding.

Each program described on the following pages is arranged by quarter. The arrangement, however, may be modified to meet individual needs.

The courses are taught by instructors who have had industrial experience in their respective fields in addition to their professional education. The laboratories are equipped with modern instruments and machines comparable to those used in industry and reflecting the needs in technical employment.

ASSOCIATE IN TECHNOLOGY DEGREE PROGRAMS

The purpose of the Associate in Technology degree programs is to give the student a broad foundation in special subjects in the technical field, together with sufficient knowledge of theoretical principles to prepare him for successful participation in the industrial world.

The programs also include courses in general education to help the student understand problems encountered in living and working within his community. These programs are six quarters or more in length and require a minimum of 96 to 128 quarter hours.

Graduates are qualified for positions as estimators, technical assistants, draftsmen, engineering aids, commercial artists, servicemen, factory representatives, and technicians in the fields of radio, electronics, television, building construction, dental laboratory work, industrial woodworking, machine tool, printing, dental hygiene, mortuary science and funeral directing, and data processing.

† Students who score below a satisfactory level on the mathematics part of the A.C.T. examinations must take VTI G 106-0 prior to taking VTI E 100-5.

* Students who score below a satisfactory level on the English part of the A.C.T. examinations must take GSD 100-0 prior to taking GSD 101-3.

The technology programs also provide background courses for further study and training for students who intend to become vocational education teachers.

Architectural Technology

This program provides training in various aspects of the architectural profession. It offers courses of a technical and technically related nature which provide the basic knowledge required in the architectural profession. It leads to employment in the architectural field, generally beginning as a draftsman, affording an opportunity for advancement in such areas as project co-ordination, specification writing, architectural design, structural and mechanical engineering, and construction supervision.

Several field trips to nearby cities to study historical and contemporary architecture are made each school year. Allowance should be made for the purchase of small amounts of equipment and supplies.

A minimum of 99 hours must be completed for graduation.

FIRST QUARTER

Architectural Drafting	VTI D 110-5	Structural Elements	VTI D 258-4
Freehand Architectural Graphics	VTI D 146-3	Introduction to Physical Science	GSA 101-3
History of Architecture	VTI D 147-3		
Technical Mathematics	‡ VTI G 107-3		
English Composition	* GSD 101-3		

SECOND QUARTER

Architectural Design	VTI D 121-4	Architectural Design	VTI D 221-4
Freehand Architectural Graphics	VTI D 146-3	Materials and Methods of Construction	VTI D 250-3
Basic Materials of Construction	VTI D 150-3	Construction Cost Estimating	VTI D 283-3
Culture, Society, Behavior	GSA 201b-3	Theory of Structures	VTI D 290-3
College Algebra	‡ GSD 114a-3	Political Economy	GSA 211b-3

THIRD QUARTER

Architectural Design	VTI D 121-4	Architectural Design	VTI D 221-4
Materials and Methods of Construction	VTI D 151-3	Materials and Methods of Construction	VTI D 250-4
Mechanics and Strength of Materials	VTI D 153-4	Mechanical Equipment of Buildings	VTI D 254-4
Introduction to Physical Science	GSA 101-3	Theory of Structures	VTI D 290-3
Trigonometry	GSD 114c-3	Job Orientation	VTI X 201-2

FOURTH QUARTER

Site Engineering	VTI D 152-2		
Architectural Design	VTI D 221-4		
Materials and Methods of Construction	VTI D 250-3		

FIFTH QUARTER

Architectural Design	VTI D 221-4
Materials and Methods of Construction	VTI D 250-3
Construction Cost Estimating	VTI D 283-3
Theory of Structures	VTI D 290-3
Political Economy	GSA 211b-3

SIXTH QUARTER

Architectural Design	VTI D 221-4
Materials and Methods of Construction	VTI D 250-4
Mechanical Equipment of Buildings	VTI D 254-4
Theory of Structures	VTI D 290-3
Job Orientation	VTI X 201-2

RECOMMENDED ELECTIVES

Fundamentals of Business	VTI B 126-3
Business Law	VTI B 226-4
Architectural Rendering	VTI D 246-3
Office Practice	VTI D 285-3
Business Correspondence	VTI G 101-3
Labor Management Relations	
Problems	VTI G 232-4
Typewriting	VTI S 101-3

Automotive Technology

This technical training acquaints the student with the basic principles of operation, rather than diversified application of those principles, and reduces the time required to surpass journeyman standards of diagnosis and repair.

A minimum of 96 hours must be completed for graduation.

FIRST QUARTER

Automotive Laboratory—	
Engines	VTI A 101-5
Automotive Theory—	
Engines	VTI A 125-5
Technical Drafting	VTI D 175-3
Technical Mathematics	‡ VTI G 107-3

SECOND QUARTER

Automotive Laboratory—	
Brakes and Steering	VTI A 101-5
Automotive Theory—	
Brakes and Steering	VTI A 125-5
Introduction to Physical	
Science	GSA 101-3
English Composition	* GSD 101-3

THIRD QUARTER

Automotive Laboratory—	
Ignition and Carburetion	VTI A 101-5
Automotive Theory—	
Ignition and Carburetion	VTI A 125-5
Basic Machine Shop	
Practice	VTIM 175-3
English Composition	GSD 101-3

FOURTH QUARTER

Automotive Laboratory—	
Drive Trains	VTI A 201-5
Automotive Theory—Transmissions	
and Drive Trains	VTI A 220-3

Oxy-Acetylene and Electric	
Arc Welding	VTI W 175-3
Oral Communication of Ideas	GSD 103-3
Elective	2-5

FIFTH QUARTER

Automotive Laboratory—	
Transmissions	VTI A 201-5
Automotive Theory—	
Automatic Transmissions	VTI A 220-5
Metallurgy	VTIM 275-3
Culture, Society,	
Behavior	GSB 201b-3

SIXTH QUARTER

Automotive Laboratory—	
Engine Rebuilding	VTI A 201-5
Automotive Theory—	
Engine Rebuilding	VTI A 220-3
Job Orientation	VTI X 201-2
Political Economy	GSB 211b-3
Elective	3

RECOMMENDED ELECTIVES

Fundamentals of Business	VTI B 126-3
Record Keeping	VTI B 229-2
Typewriting	VTI S 101-3
Welding Laboratory—	
Oxy-Acetylene	VTI W 101-7
Welding Theory—	
Oxy-Acetylene	VTI W 125-3

Building Construction Technology

These courses provide training which will enable the individual to qualify for positions of greater opportunity and responsibility after relatively short periods of apprenticeship or trade experience in the fields of construction supervision, cost estimating, management, and building construction.

‡ Students who score below a satisfactory level on the mathematics part of the A.C.T. examinations must take VTI G 106-0 prior to taking VTI G 107-3 and GSD 114-3.

* Students who score below a satisfactory level on the English part of the A.C.T. examinations must take GSD 100-0 prior to taking GSD 101-3.

Field trips to nearby cities to study and observe various types of construction are made each school year. Allowance should be made for the purchase of small amounts of equipment and supplies.

A minimum of 101 hours must be completed for graduation.

FIRST QUARTER

Architectural Drafting	VTI D 110-5
Freehand Architectural Graphics	VTI D 146-3
History of Architecture	VTI D 147-3
Technical Mathematics	‡ VTI G 107-3
English Composition	* GSD 101-3

SECOND QUARTER

Architectural Design	VTI D 121-4
Basic Materials of Construction	VTI D 150-3
Wood Technology	VTI F 128-4
Culture, Society, Behavior	GSB 201b-3
College Algebra	‡ GSD 114a-3

THIRD QUARTER

Materials and Methods of Construction	VTI D 151-3
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Mechanics and Strength of Materials	VTI D 153-4
Production Woodworking—Machines	VTI F 101-4
Introduction to Physical Science	GSA 101-3
Trigonometry	GSD 114c-3

FOURTH QUARTER

Construction	VTI D 210-3
Materials and Methods of Construction	VTI D 250-3
Structural Elements	VTI D 258-4
Mechanical Services for Residential Building—Sanitary	VTI D 265-2
Production Woodworking—Light Frame Construction	VTI F 201-5

FIFTH QUARTER

Construction	VTI D 210-3
Mechanical Services for Residential Building—Electrical	VTI D 265-2
Construction Cost Estimating	VTI D 283-3
Production Woodworking—Cabinet and Millwork	VTI F 101-4
Production Woodworking—Prefabrication	VTI F 201-5

SIXTH QUARTER

Construction	VTI D 210-3
Business Law	VTI B 226-4
Wood Finishing	VTI F 129-2
Labor Management Relations Problems	VTI G 232-4
Political Economy	GSB 211b-3

RECOMMENDED ELECTIVES

Theory of Structures	VTI D 290-3
Lumber Seasoning	VTI F 130-2
Lumber Grading	VTI F 131-2
Business Correspondence	VTI G 101-3
Calculating Machines	VTI K 101-3
Typewriting	VTI S 101-3

Commercial Art

This program will enable the serious, career-minded student to meet the exacting demands of today's advertising field and industry. Only pro-



essional know-how is taught in a professional atmosphere by practicing professional artists. Student laboratories, problem assignments, and work standards closely parallel those in the field in which the student, upon graduating, will be engaged.

Successful completion of this curriculum culminates with the preparation of a portfolio of professionally acceptable samples which will enable the student to compete, not only in his chosen field, but in most phases of commercial art pertinent to a successful and interesting career.

A minimum of 102 hours must be completed for graduation.

FIRST QUARTER		Job Orientation	VTI X 201-2
Art Analysis	VTIN 101-3	FIFTH QUARTER	
Techniques—Theory and Practice	VTIN 125-10	Advertising and Story Illustration	
English Composition	* GSD 101-3	Theory and Practice	VTIN 210-9
SECOND QUARTER		Technical Illustration Theory and Practice	VTIN 230-9
Advertising Design and Production	VTIN 130-10	SIXTH QUARTER	
Business Correspondence	VTI G 101-3	Advertising and Story Illustration	
Culture, Society, Behavior	GSB 201b-3	Theory and Practice	VTIN 210-9
THIRD QUARTER		Technical Illustration Theory and Practice	VTIN 230-9
Introductory Advertising and Story Illustration	VTIN 140-10	RECOMMENDED ELECTIVES	
Technical Writing	VTI G 102-3	Printing Laboratory—Hand Platen	VTI J 101-6
Political Economy	GSB 211b-3	Printing Layout and Design	VTI J 153-3
FOURTH QUARTER		Estimating and Costs in Printing	VTI J 251-3
Advertising and Story Illustration		Oral Communication of Ideas	GSD 103-3
Theory and Practice	VTIN 210-8		
Technical Illustration Theory and Practice	VTIN 230-8		

‡ Students who score below a satisfactory level on the mathematics part of the A.C.T. examinations must take VTIG 106-0 prior to taking VTIG 107-3 and GSD 114-3.
* Students who score below a satisfactory level on the English part of the A.C.T. examinations must take GSD 100-0 prior to taking GSD 101-3.

Dental Hygiene

The dental hygienist is the only one of the auxiliary dental health team who works directly in the mouth like the licensed dentist, and, like the dental practitioner, she must obtain a license from the state in which she expects to practice. She is required to complete successfully a comprehensive practical and written examination given under the direction of the State Board of Dental Examiners. Each student is required to provide her own uniform, caps, and equipment and to be responsible for instruments used. She should set aside about \$150 for these items, for they are not covered by the fees paid to the University.

The hygienist's area of service includes prophylaxis (sealing and polishing of the teeth), dental health education, X-ray examinations, receptionist, administrative procedures, chairside assisting, and some laboratory techniques. All her work is done under supervision of a licensed dentist.

This program is provisionally approved by the Council on Dental Education of the American Dental Association. Applicants are required to take the Dental Hygiene Aptitude Test which is offered three times yearly on the campus under the auspices of the American Dental Hygienists' Association. This is a prerequisite for admission to the program.

One hundred hours of credit and the approval of the faculty are required for graduation. After graduation and licensing, she is eligible to become a member of the American Dental Hygienists' Association which is closely associated with the American Dental Association.

FIRST QUARTER

Orientation to Dental Hygiene	VTI Y 130-2	Dental Nutrition	VTI Y 139-3
Head and Neck Anatomy	VTI Y 132-4	Dental Pharmacology	VTI Y 140-2
Oral Basic Science	VTI Y 135-4	Oral Communication of Ideas	GSD 103-3

SECOND QUARTER

Introduction to Physiology	VTI G 141-5		
English Composition	* GSD 101-3		

THIRD QUARTER

Head and Neck Anatomy	VTI Y 132-4		
Oral Basic Science	VTI Y 135-4		
Preclinical Dental Hygiene	VTI Y 137-4		
Inorganic and Organic Chemistry	VTI G 115-3		
English Composition	GSD 101-3		
Oral Basic Science	VTI Y 135-3		
Preclinical Dental Hygiene	VTI Y 137-4		

FOURTH QUARTER

Clinical Dental Hygiene	VTI Y 210-5
Dental Assisting	VTI Y 213-3
Dental Ethics and Administration	VTI Y 216-2
Clinical Dental Roentgenology	VTI Y 218-2
Culture, Society, Behavior	GSD 201b-3

FIFTH QUARTER

Clinical Dental Hygiene	VTI Y 210-5
Dental Assisting	VTI Y 213-3
Dental Health Education	VTI Y 217-2
Clinical Dental Roentgenology	VTI Y 218-2
Introduction to Public Health	HED 355-4

SIXTH QUARTER		RECOMMENDED ELECTIVES	
Clinical Dental Hygiene	VTI Y 210-5	Record Keeping	VTI B 229-2
Culture, Society, Behavior	GSB 201c-3	Typewriting	VTI S 101-3
First Aid	HED 334S-4	Political Economy	GSB 211b-3
Elective	6	Introduction to Teaching	ED AD 100-3
		Communicable Diseases	HED 300-3

Dental Laboratory Technology

A dental technician is an individual trained and educated to perform one or more phases of the dental laboratory procedures required in the fabrication of dental prosthetic appliances. He may work in a dentist's office or he may find employment in an approved dental laboratory. Each student is required to purchase a kit of instruments, for which he should set aside about \$60 in addition to regular fees paid to the University.

This program has been designed to meet the standards established by the Council on Dental Education and the Council on Dental Trades and Laboratories of the American Dental Association, and has been fully approved by that association. Applicants are required to take a Dental Technology Aptitude test during registration week of the fall or winter quarter at the Vocational-Technical Institute's dental technology laboratory.

A minimum of 102 hours must be completed for graduation.

FIRST QUARTER	
Dental Prosthetics	VTI Y 101-9
Technical Mathematics	‡ VTI G 107-3
English Composition	* GSD 101-3
SECOND QUARTER	
Dental Prosthetics	VTI Y 101-9
Science of Dental Materials	VTI Y 113-3
Oral Anatomy	VTI Y 128-2
Introduction to Physical Science	GSA 101-3
THIRD QUARTER	
Dental Prosthetics	VTI Y 101-9
Introduction to Physiology	VTI G 141-5
Metallurgy	VTI M 275-3
FOURTH QUARTER	
Crown and Bridgework	VTI Y 201-9
Inorganic and Organic Chemistry	VTI G 115-3



‡ Students who score below a satisfactory level on the mathematics part of the A.C.T. examinations must take VTI G 106-0 prior to taking VTI G 107-3.
* Students who score below a satisfactory level on the English part of the A.C.T. examinations must take GSD 100-0 prior to taking GSD 101-3.

Culture, Society, Behavior Elective	GSB 201b-3 3	Professional Ethics Electives	VTI X 202-2 6
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FIFTH QUARTER

Crown and Bridgework	VTI Y 201-9
Business Correspondence	VTI G 101-3
Political Economy Elective	GSB 211b-3 3

SIXTH QUARTER

Crown and Bridgework	VTI Y 201-9
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RECOMMENDED ELECTIVES

Fundamentals of Business	VTI B 126-3
Record Keeping	VTI B 229-2
Calculating Machines	VTI K 101-3
Typewriting	VTI S 101-3
Introduction to Physical Science	GSA 101-3
College Algebra	GSD 114-3

Electronics Technology

The purpose of this program is to provide the student with the necessary knowledge and skills for employment in many areas of industrial electronics, entertainment electronics, and communications.

Emphasis is placed upon the fundamental theories, principles, mathematics, and their applications in the field of electronics. It is recommended that students have a strong background in high school mathematics and science.

A minimum of 102 hours must be completed for graduation.

FIRST QUARTER

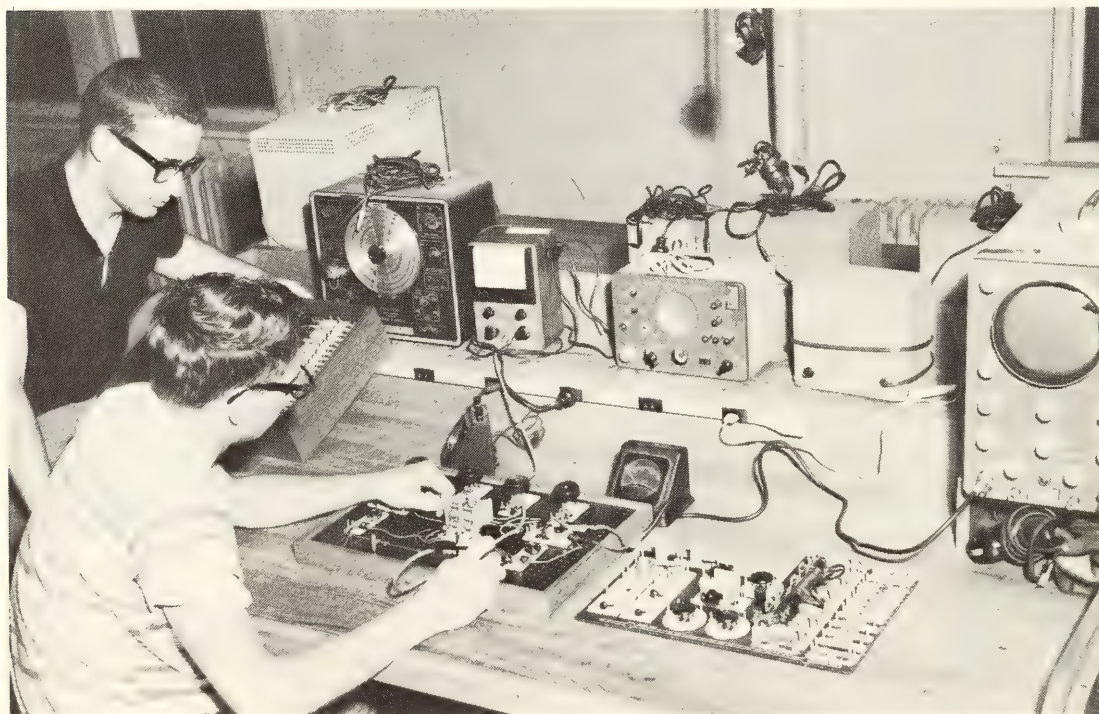
Electronic Laboratory— AC, DC	VTI T 101-7
Electronic Theory— AC, DC	VTI T 125-5
Technical Mathematics	† VTI G 107-3

Introduction to Physical
Science

GSA 101-3

SECOND QUARTER

Electronic Laboratory—Vacuum Tube and Transistors	VTI T 101-7
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Electronic Theory—Vacuum Tube and Transistors	VTI T 125-5	FIFTH QUARTER—Option II	
Introduction to Physical Science	GSA 101-3	Principles of Television	VTI T 202-5
College Algebra	‡ GSD 114-3	Television Circuits and Systems	VTI T 226-5
		Industrial Circuits	VTI T 232-3
		Culture, Society, Behavior	GSB 201b-3
THIRD QUARTER			
Electronic Laboratory— Transmitter and Receiver	VTI T 101-7	SIXTH QUARTER—Option I	
Electronic Theory— Transmitter and Receiver	VTI T 125-5	Electronic Laboratory— Service Problems	VTI T 201-5
English Composition	* GSD 101-3	Electronic Theory— Service Principles	VTI T 225-5
Trigonometry	GSD 114c-3	Color Television	VTI T 229-3
		Political Economy	GSB 211b-3
FOURTH QUARTER			
Electronic Laboratory—Transistor and Vacuum Tube	VTI T 201-5	SIXTH QUARTER—Option II	
Electronic Theory—Transistor and Vacuum Tube	VTI T 225-5	Microwave, Servo, Ultrasonic, and Radar	VTI T 205-5
Federal Communications Commission License	VTI T 228-3	Color Television	VTI T 229-3
Technical Writing	VTI G 102-3	Industrial and Microwave Systems	VTI T 231-5
		Political Economy	GSB 211b-3
FIFTH QUARTER—Option I			
Electronic Laboratory—Pulse Circuits and Microwave	VTI T 201-5	RECOMMENDED ELECTIVES	
Electronic Theory—Pulse Circuits and Microwave	VTI T 225-5	Technical Drafting	VTI D 175-3
Industrial Circuits	VTI T 232-3	Labor Management Relations Problems	VTI G 232-4
Culture, Society, Behavior	GSB 201b-3	Salesmanship	VTI R 127-3
		Typewriting	VTI S 101-3
		Oral Communication of Ideas	GSD 103-3

Electronic Data Processing (Industrial and Scientific Option)

This program provides training in the technical skills underlying the installation, operation, and maintenance of data acquisition and computing equipment as applied to scientific and industrial purposes. Punched card preparation, electro-mechanical machines operation, and electronic computers are processes and equipment used by the student who aspires to become a programmer.

A minimum of 102 hours must be completed for graduation.

FIRST QUARTER

Data Processing		Introduction to Physical	
Mathematics	† VTIE 100-5	Science	GSA 101-3
Automatic Data Processing		English Composition	* GSD 101-3
Machines	VTIE 101-3	College Algebra	‡ GSD 114-3

‡ Students who score below a satisfactory level on the mathematics part of the A.C.T. examinations must take VTI G 106-0 prior to taking VTI G 107-3 and GSD 114.

* Students who score below a satisfactory level on the English part of the A.C.T. examinations must take GSD 100-0 prior to taking GSD 101-3.

† Students who score below a satisfactory level on the mathematics part of the A.C.T. examinations must take VTI G 106-0 prior to taking VTIE 100-5 and GSD 114-3.

SECOND QUARTER		Technical Writing	VTI G 102-3
Data Processing		Inorganic and Organic	
Mathematics	VTI E 100-4	Chemistry	VTI G 115-3
Automatic Data Processing		FIFTH QUARTER	
Machines	VTI E 101-5	Scientific Computer	
Introduction to Physical		Programming	VTI E 202-5
Science	GSA 101-3	Programming Systems	VTI E 206-3
English Composition	GSD 101-3	Business Statistics	VTI B 235-4
College Algebra	GSD 114-3	Political Economy	GSB 211-3
THIRD QUARTER		Oral Communication	
Computer Programming	VTI E 103-5	of Ideas	GSD 103-3
Data Processing		SIXTH QUARTER	
Applications	VTI E 104-3	Programming Systems	VTI E 206-7
Data Processing		Data Processing Field	
Information	VTI E 107-2	Project	VTI E 207-3
Labor Management Relations		Culture, Society, Behavior	GSB 201b-3
Problems	VTI G 232-4	Political Economy	GSB 211-3
Trigonometry	GSD 114-3	RECOMMENDED ELECTIVES	
FOURTH QUARTER		Accounting	VTI B 101-7
Scientific Computer		Business Law	VTI B 226-8
Programming	VTI E 202-5	Office Administration and	
Systems Design and		Supervision	VTI B 227-5
Development	VTI E 205-5	Calculating Machines	VTI K 101-6

Machine Drafting and Design Technology

This program prepares students for jobs in industry which require knowledge and abilities in drafting and design of a mechanical nature. Graduates work as draftsmen, jig and fixture designers, laboratory technicians, research and development engineering aides, and technical supervisors. With additional experience, they may advance to positions as machine and tool designers, industrial supervisors, tool buyers, production expeditors, cost estimators, and field service representatives.

In the major courses, emphasis is placed on graphical communication and problem solving techniques, product and tool design principles and practices, engineering standards, manufacturers' standards, and the selection of methods for efficient and economical production. Other courses in the curriculum are intended to improve the student's ability to communicate in words, to acquaint him with materials and processes of industry, to impart the mathematical skills and scientific knowledge essential for the designer, and to develop understandings of the human relations aspects of our American industrial life.

A minimum of 96 hours must be completed for graduation.

FIRST QUARTER

Graphics	VTI D 101-7	Manufacturing Processes	VTI M 176-3
Technical Mathematics	† VTI G 107-3	English Composition	* GSD 101-3

SECOND QUARTER		Machine Drafting	
Graphics	VTI D 101-7	and Design	VTI D 201-7
Manufacturing Processes	VTI M 176-3	Strength of Materials	VTI D 226-3
Introduction to Physical Science	GSA 101-3	Political Economy	GSB 211-3
College Algebra	‡ GSD 114-3	SIXTH QUARTER	
THIRD QUARTER		Machine Drafting	
Graphics	VTI D 101-7	and Design	VTI D 201-7
Introduction to Physical Science	GSA 101-3	Tool Design	VTI D 227-3
Culture, Society, Behavior	GSB 201b-3	Metallurgy	VTI M 275-3
Trigonometry	GSD 114c-3	Oral Communication of Ideas	GSD 103-3
FOURTH QUARTER		RECOMMENDED ELECTIVES	
Machine Drafting and Design	VTI D 201-7	Business Correspondence	VTI G 101-3
Kinematics	VTI D 225-3	Technical Writing	VTI G 102-3
Metallurgy	VTI M 275-3	Machine Tool Laboratory—	
Political Economy	GSB 211-3	Engine and Bench	VTI M 101-5
FIFTH QUARTER		Machine Tool Theory—	
Electrical, Hydraulic, and Pneumatic Controls	VTI D 127-3	Engine and Bench	VTI M 125-3
		Machine Tool Laboratory—	
		Milling Machines	VTI M 201-5
		Machine Tool Theory—	
		Milling Machines	VTI M 225-3
		Welding Laboratory—	
		Oxy-Acetylene	VTI W 101-7
		English Composition	GSD 101-3

Machine Tool Technology

This program provides knowledge and abilities which are required in industries for services of technical operators of machines and equipment. Graduates accept jobs as inspectors, test technicians, tool and die makers, planners, operators of mechanical equipment, tool inspectors, and tool room technicians. With additional experience they may advance to positions as tool room supervisors, tooling foremen, expeditors, and tool and machine salesmen.

Emphasis is placed on modern machines and hand tools, production tooling, jig and fixtures, dies, and methods for efficient and economical production and manufacture of industrial products and machines. Also included are courses dealing with the properties and heat treatment of metals, applied mathematics, technical drafting, and human relations aspects of our American industrial life.

A minimum of 101 hours must be completed for graduation.

FIRST QUARTER		SECOND QUARTER	
Machine Tool Laboratory—		Machine Tool Laboratory—	
Engine and Bench	VTI M 101-5	Shaper and Planer	VTI M 101-5
Machine Tool Theory—		Machine Tool Theory—	
Engine and Bench	VTI M 125-5	Shaper and Planer	VTI M 125-3
Technical Drafting	VTI D 175-3	Technical Drafting	VTI D 175-3
Technical Mathematics	‡ VTI G 107-3		

English Composition	* GSD 101-3	Metallurgy	VTI M 275-3
College Algebra	‡ GSD 114-3	Introduction to Physical Science	GSA 101-3
THIRD QUARTER		Oral Communication of Ideas	GSD 103-3
Machine Tool Laboratory— Precision Measurements	VTI M 101-5	SIXTH QUARTER	
Machine Tool Theory— Precision Measurements	VTI M 125-3	Machine Tool Laboratory— Production Machines	VTI M 201-5
Culture, Behavior, and Society	GSB 201b-3	Machine Tool Theory— Production Machines	VTI M 225-3
Trigonometry	GSD 114c-3	Metallurgy	VTI M 275-3
Elective	3	Political Economy	GSB 211-3
FOURTH QUARTER		Elective	3
Machine Tool Laboratory— Milling Machines	VTI M 201-5	RECOMMENDED ELECTIVES	
Machine Tool Theory— Milling Machines	VTI M 225-3	Graphics	VTI D 101-7
Technical Drafting	VTI D 175-3	Machine Drafting and Design	VTI D 201-7
Introduction to Physical Science	GSA 101-3	Business Correspondence	VTI G 101-3
Political Economy	GSB 211-3	Technical Writing	VTI G 102-3
FIFTH QUARTER		Labor Management Relations Problems	VTI G 232-4
Machine Tool Laboratory— Grinding	VTI M 201-5	Typewriting	VTI S 101-3
Machine Tool Theory— Grinding	VTI M 225-3	Oxy-Acetylene and Electric Arc Welding	VTI W 175-3
		Job Orientation	VTI X 201-2
		English Composition	GSD 101-3

Mortuary Science and Funeral Service

These courses offer thorough and practical training for the profession of funeral directing and mortuary science. Graduates of this program are prepared to take the State examination for licensing. Those who expect to practice in a state other than Illinois should make early contact with the appropriate licensing board of that state.

A minimum of 128 hours must be completed for graduation.

FIRST QUARTER		THIRD QUARTER	
The Funeral; History and Customs	VTI U 101-3	Accounting	VTI B 101-7
General Inorganic Chemistry	CHEM 110-4	Principles of Physiology	GSA 301-4
Culture, Society, Behavior	GSB 201-3	Oral Communication of Ideas	GSD 103-3
Political Economy	GSB 211-3	Elective	2
English Composition	* GSD 101-3	FOURTH QUARTER	
SECOND QUARTER		Accounting	VTI B 101-5
The Funeral; History and Customs	VTI U 101-3	Human Anatomy	PHSL 300-4
Organic Chemistry	CHEM 240-4	Psychology of Personality	PSYC 305-4
Culture, Society, Behavior	GSB 201-3	Culture, Society, Behavior	GSB 201-3
Political Economy	GSB 211-3	FIFTH QUARTER	
English Composition	GSD 101-3	Restorative Art	VTI U 202-3
		Introduction to Embalming	VTI U 203-3

Pathology	VTI U 205-3	Embalming Theory	
Social Psychology	PSYC 307-4	and Practice	VTI U 225-5
Elective	3	Mortuary Management	VTI U 250-3
		Elective	3
SIXTH QUARTER			
Pathology	VTI U 205-3	EIGHTH QUARTER	
Embalming Theory		Business Law	VTI B 226-4
and Practice	VTI U 225-5	Embalming Theory	
Communicable Diseases	HED 300-3	and Practice	VTI U 225-5
Principles of		Mortuary Management	VTI U 250-3
Microbiology	MICR 100-5	Elective	4
SEVENTH QUARTER			
Public Health, Laws		RECOMMENDED ELECTIVES	
and Regulations	VTI U 208-2	Business Law (b)	VTI B 226-4
Psychology of Funeral		Cosmetology Theory	VTI C 125-5
Service	VTI U 210-3	Introduction to Music	GSC 100-3
		First Aid	HED 334S-4
		Analysis of Divine Belief	REL 212-2

Printing Technology

Employment opportunities in the graphic arts industry, composed of printing, publishing, and allied businesses, are available to students who have college training and are familiar with the technical processes of printing. This program prepares students to enter printing trades.

A minimum of 97 hours must be completed for graduation.

FIRST QUARTER			
Printing Laboratory—		Printing Theory—Offset	
Hand Platen	VTI J 101-6	Presswork and Camera	VTI J 125-3
Printing Theory—		Culture, Society, Behavior	GSB 201b-3
Hand Platen	VTI J 125-3	English Composition	GSD 101-3
Proofreading	VTI J 152-3	FOURTH QUARTER	
English Composition	* GSD 101-3	Printing Laboratory—	
SECOND QUARTER		Linotype, Intertype	VTI J 201-6
Printing Laboratory—		Printing Theory—	
Automatic Platen	VTI J 101-6	Linotype, Intertype	VTI J 225-3
Printing Theory—		Labor Management Relations	
Automatic Platen	VTI J 125-3	Problems	VTI G 232-4
Printing Layout and		Oral Communication	
Design	VTI J 153-3	of Ideas	GSD 103-3
Technical Mathematics	‡ VTI G 107-3	FIFTH QUARTER	
Elective	3	Printing Laboratory—	
THIRD QUARTER		Linotype, Ludlow	VTI J 201-6
Printing Laboratory—Offset		Printing Theory—	
Presswork and Camera	VTI J 101-6	Linotype, Ludlow	VTI J 225-3
		Political Economy	GSB 211b-3
		Elective	3

‡ Students who score below a satisfactory level on the mathematics part of the A.C.T. examinations must take VTI G 106-0 prior to taking VTI G 107-3 and GSD 114-3.

* Students who score below a satisfactory level on the English part of the A.C.T. examinations must take GSD 100-0 prior to taking GSD 101-3.

SIXTH QUARTER

Printing Laboratory—Letterpress and Offset Production	VTI J 201-6
Printing Theory—Letterpress and Offset Production	VTI J 225-3
Estimating and Costs in Printing	VTI J 251-3
Electives	5

RECOMMENDED ELECTIVES

Business Law	VTI B 226-4
Office Administration and Supervision	VTI B 227-5
Economics of Distribution	VTI G 177-2
Salesmanship	VTI R 127-3
Typewriting	VTI S 101-3
Culture, Society, Behavior	GSB 201c-3
Political Economy	GSB 211a-3

Woodworking Technology

These courses provide training for positions in the rapidly expanding woodworking industries. New developments in wood utilization in building and construction, manufacturing, and wood research laboratories provide increasing opportunities in the various woodworking occupations. Graduates find employment as construction estimators, kiln technologists, production specialists, and technicians in furniture and millworking plants.

A minimum of 101 hours must be completed for graduation.

FIRST QUARTER

Production Woodworking— Machines	VTI F 101-8
Wood Technology	VTI F 128-4
Basic Woodworking Drafting	VTI D 178-3
English Composition	* GSD 101-3

Wood Preservation	VTI F 232-2
Basic Materials of Construction	VTI D 150-3
Culture, Society, Behavior	GSB 201b-3

SECOND QUARTER

Production Woodworking— Cabinet and Millwork	VTI F 101-8
Lumber Seasoning	VTI F 130-2
Lumber Grading	VTI F 131-2
Technical Writing	VTI G 102-3
Technical Mathematics	‡ VTI G 107-3

FIFTH QUARTER

Production Woodworking— Prefabrication	VTI F 201-8
Political Economy	GSB 211-3
Electives	6

THIRD QUARTER

Production Woodworking— Furniture Construction	VTI F 101-8
Wood Finishing	VTI F 129-2
Furniture Drafting and Design	VTI D 179-3
Introduction to Physical Science	GSA 101-3

SIXTH QUARTER

Production Woodworking— Manufacturing Processes	VTI F 201-8
Plant Organization and Operation	VTI F 250-3
Job Orientation	VTI X 201-2
Political Economy	GSB 211-3

FOURTH QUARTER

Production Woodworking— Light Frame	VTI F 201-8
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RECOMMENDED ELECTIVES

Record Keeping	VTI B 229-2
Business Correspondence	VTI G 101-3
Labor Management Relations Problems	VTI G 232-4
Calculating Machines	VTI K 101-3
Typewriting	VTI S 101-3

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* Students who score below a satisfactory level on the English part of the A.C.T. examinations must take GSD 100-0 prior to taking GSD 101-3.

CERTIFICATE PROGRAMS IN TECHNOLOGY

Cosmetology

Cosmetology is one of the registered trades under the supervision of the Department of Registration and Education of the State of Illinois. The standards for the trade are established by state law.

This program in cosmetology offered by the institute meets State of Illinois standards as to the total time, teaching staff, equipment, facilities, library, and course content. Students must purchase uniforms and the makeup kit.

A minimum of 67 hours must be completed for graduation.

FIRST QUARTER

Cosmetology Laboratory	VTI C 101-9
Cosmetology Theory	VTI C 125-5
English Composition	* GSD 101-3

SECOND QUARTER

Cosmetology Laboratory	VTI C 101-9
Cosmetology Theory	VTI C 125-5
Culture, Society, Behavior	GSB 201b-3

THIRD QUARTER

Cosmetology Laboratory	VTI C 101-9
Cosmetology Theory	VTI C 125-5
Oral Communication of Ideas	GSD 103-3

FOURTH QUARTER

Cosmetology Laboratory	VTI C 101-9
Cosmetology Theory	VTI C 125-5
Record Keeping	VTI B 229-2

RECOMMENDED ELECTIVES

Inorganic and Organic Chemistry	VTI G 115-3
Salesmanship	VTI R 127-3
Personality Development	VTI S 125-2



Practical Nursing

The practical nurse is a person trained to care for selected subacute, convalescent, and chronic patients and to assist the professional nurse in a team relationship, especially in the care of those acutely ill. She provides nursing service in private homes and in institutions. She may be employed by the lay public, hospitals, or health agencies. A practical nurse works

* Students who score below a satisfactory level on the English part of the A.C.T. examinations must take GSD 100-0 prior to taking GSD 101-3.

only under the direct orders of a licensed physician or the supervision of a registered professional nurse.

This state-approved program includes a seventeen-week preclinical period of class work and thirty-two weeks of clinical training in actual care of patients in affiliated hospitals. The student wears the official school uniform throughout her year of training. Two classes start each year in the fall and spring quarters. Plans for admission should be made early as there are entrance requirements to be met before admission. Graduates of this program must pass the state examination in order to be licensed.

A minimum of 38 hours must be completed for graduation.

FIRST QUARTER

Nursing Practice and
Theory
Foods
Health

VTI P 101-7
VTI P 131-4
VTI P 132-3

SECOND QUARTER

Nursing Practice and
Theory
Health
Clinical Theory and
Practice

VTI P 101-3
VTI P 132-1
VTI P 103-4

THIRD QUARTER

Clinical Theory and
Practice

VTI P 103-8

FOURTH QUARTER

Clinical Theory and
Practice

VTI P 103-8



Welding

This program provides training in the use of various types of welding equipment, the welding of mild steel in all positions, machine cutting, hand cutting, testing of welds, and welding of non-ferrous metals. Each student is given individual attention in his shop training.

This program has been designed to prepare students for employment as tool room welders, construction welders, job shop welders, and welding inspectors.

The courses as outlined are required for the welding certificate. To complete the required number of quarter hours the student must choose additional courses from the list of recommended electives. A minimum of 49 hours must be completed for graduation.

FIRST QUARTER

Welding Laboratory—	
Oxy-Acetylene	VTI W 101-7
Welding Theory—	
Oxy-Acetylene	VTI W 125-3
Technical Mathematics	‡ VTI G 107-3
English Composition	* GSD 101-3

SECOND QUARTER

Welding Laboratory—Arc	VTI W 101-7
Welding Theory—Arc	VTI W 125-3
Technical Drafting	VTI D 175-3
Metallurgy	VTI M 275-3

THIRD QUARTER

Welding Laboratory—	
Inert Arc	VTI W 101-7
Welding Theory—Specifications	
and Inspection	VTI W 125-3
Job Orientation	VTI X 201-2
Elective	5

RECOMMENDED ELECTIVES

Record Keeping	VTI B 229-2
Business Correspondence	VTI G 101-3
Metallurgy	VTI M 275-3

Introduction to Physical
Science

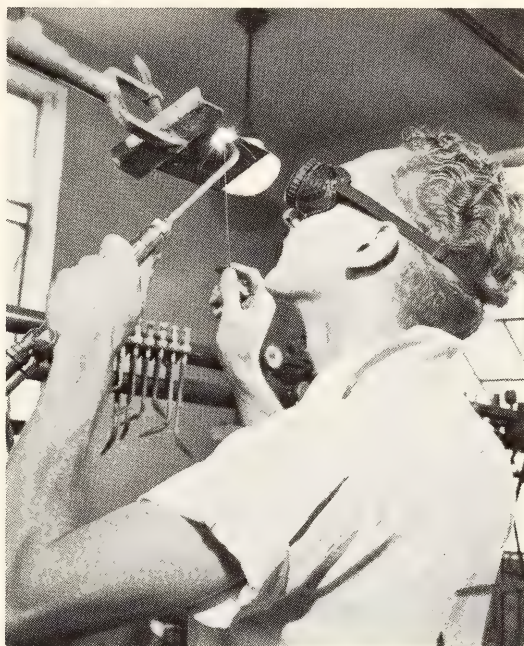
GSA 101-3

Culture, Society, Behavior

GSB 201b-3

Political Economy

GSB 211b-3



COURSE DESCRIPTIONS

VTI A

101-15 (5,5,5) AUTOMOTIVE LABORATORY. (a) Automotive engines. Disassembly and assembly procedures on laboratory units. (b) Principles of brakes and steering learned in 125b are applied on laboratory units and, later, on live vehicles. (c) Ignition and carburetion. The repair and testing of electrical and fuel units. Must be taken in a,b,c or b,a,c or a,c,b sequence, concurrently with a corresponding section of 125.

125-15 (5,5,5) AUTOMOTIVE THEORY. (a) Internal combustion engine theory. (b) Chassis and brake systems, covering brake theory and factors of steering geometry. (c) Ignition and carburetion. Must be taken in a,b,c or b,a,c or a,c,b sequence, concurrently with a corresponding section of 101.

201-15 (5,5,5) AUTOMOTIVE LABORATORY. (a) Drive trains, including repair of differentials, over-drives, and two-speed automatic transmissions. (b) Repair of multiple gear-set transmissions. (c) Engine rebuilding. Development of skills required of the automotive machinist. Must be taken

‡ Students who score below a satisfactory level on the mathematics part of the A.C.T. examinations must take VTI G 106-0 prior to taking VTI G 107-3.

* Students who score below a satisfactory level on the English part of the A.C.T. examinations must take GSD 100-0 prior to taking GSD 101-3.

in a,b,c or c,a,b sequence, concurrently with a corresponding section of 220. Prerequisite: 101c.

- 220-11 (3,5,3) **AUTOMOTIVE THEORY.** (a) Theory of operation of transmissions, overdrives, differentials, and two-speed automatic transmissions. (b) An advanced study of multiple gear-set automatic transmissions. (c) Engine rebuilding: the theory of restoring tolerances by the machining of engine parts. Must be taken in a,b,c or c,a,b sequence, concurrently with a corresponding section of 201. Prerequisite: (a) 125c; (b) 220a; (c) 101c.

VTI B

- 101-16 (7,5,4) **ACCOUNTING.** (a) A study of the balance sheet, income statement, trial balance, journalizing and posting, sales, purchases, adjusting and closing entries, and periodic summaries, as applied to single proprietorships and partnerships. (b) Notes and interest, valuation of assets, the voucher system, payroll and tax accounting, and prepaid items. (c) Corporate organization and records, stocks and bonds, surplus and dividends, departmental and branch accounting, accounting for manufacturing analysis, and interpretation of financial statements. Must be taken in a,b,c sequence.
- 104-5 **SECRETARIAL ACCOUNTING.** Basic principles of accounting from the viewpoint of the secretary. The accounts of private individuals, professional men, institutions, and small business firms of various types are studied.
- 109-3 **PUNCHED CARD PREPARATION.** The functions and operations of punched card equipment. Card punching and verifying.
- 126-3 **FUNDAMENTALS OF BUSINESS.** This survey of business services provides a general knowledge of the modern business world and a basis for determining occupational possibilities and requirements.
- 130-4 **JOB COST ACCOUNTING.** Relates cost accounting to management for control; general principles involved in construction of a cost system; distribution of cost materials, labor and burden; cost record; operating reports; joint and by-products cost and budgetary control. Prerequisite: 101c or concurrently.
- 201-8 (4,4) **ACCOUNTING.** An advanced study of: (a) accounting records, merchandising and manufacturing accounts, end-of-year procedures, corrections of profits of prior periods, accounting statements, analysis of working capital, analytical and comparative percents, and analytical ratios; and (b) current assets, investments tangible fixed assets, intangible fixed assets, liabilities, reserves, and the statement or application of funds. Must be taken in a,b, sequence. Prerequisite: 101c.
- 204-4 **PROCESS COST ACCOUNTING.** An advanced study of process cost accounting, costing by-products and joint products, budgeting, estimated cost system, and standard cost, cost control and analysis. Prerequisite: 130.
- 226-8 (4,4) **BUSINESS LAW.** (a) Introduction of torts, contracts, sales, liens, negotiable instruments, law of insurance agency, master and servant, real property, and landlord and tenant. (b) Legal problems in normal business relationships, including the law of contracts, agency, sales, bailments, negotiable instruments, insurance, private property, and business organization. Must be taken in a,b, sequence.
- 227-5 **OFFICE ADMINISTRATION AND SUPERVISION.** Principles of man-

agement as applied to office work. Emphasis on the role of the office in business management; office organization; physical facilities of the office; office services, procedures, standards, and controls; and records management. Prerequisite: 126.

229-2 RECORD KEEPING. The complete cycle of records necessary in running a business in buying, selling, inventories, payroll, and stock control.

230-5 AUDITING. The preparation of the audit program, working papers, and reports are considered, and selected problems dealing with various asset, liability, and capital accounts are worked and discussed. Prerequisite: 204.

233-5 FEDERAL TAXES. Problem material in income, estates, and gift taxes as they affect individuals and various forms of business organization. Prerequisite: 101c.

235-4 BUSINESS STATISTICS. Collection, tabulation, and graphic presentation of data, averages and index numbers, economic trends, cycles, correlation, and application. Prerequisite: 101a, VTIE 100.

275-4 CREDITS AND COLLECTIONS. Organization and operation of the credit department including sources and analysis of credit information, collection methods, and correspondence. Credit management emphasized. Prerequisite: 101c.

VTI C

101-36 (9,9,9,9) COSMETOLOGY LABORATORY. (*a,b,c*) Supervised practice in development of skills in giving shampoo, pincurls, fingerwave, moulding, hair shaping, facial, scalp-treatment, hair coloring, and manicure. Student personnel planning. (*d*) Supervised clinic application of theory and technique of latest styling, corrective make-up, high-fashion hair coloring, tipping, frosting. Practical problems of a receptionist, salesmanship, inventories, salon management, and professional ethics. Laboratory and lecture. Must be taken in a,b,c,d sequence, concurrently with a corresponding section of 125.

125-20 (5,5,5,5) COSMETOLOGY THEORY. (*a*) Study of sanitation and sterilization as applied to the cosmetologist and the clinic; that part of the Illinois law pertaining to cosmetology; structure and chemistry of the hair and skin; theory of hair coloring and permanent waving. (*b*) Disorders and diseases of the scalp, hair, and skin. Study of various body systems. The uses of electricity and lights, and their effects on the body. (*c*) Basic chemical composition of materials used in cosmetology and their reactions on the skin and hair. (*d*) A study of the style construction involved in detailed planning and production of original and creative hair design, the principles of proportion for application of corrective make-up, assisting the mortician, and wig servicing. Must be taken in a,b,c,d sequence, concurrently with a corresponding section of 101.

201-4 to 12 STUDENT TEACHING IN COSMETOLOGY. Practical experience in teaching cosmetology as required by the Illinois Department of Registration and Education. Supervision under the direction of licensed instructors as per state regulations. Prerequisite: licensed cosmetologist in Illinois.

225-4 to 12 METHODS OF TEACHING COSMETOLOGY. Methods and principles of teaching as applied to cosmetology. Prerequisite: licensed cosmetologist in Illinois.

VTI D

- 101-21 (7,7,7) GRAPHICS. (a) Sketching, lettering, instrument drawing, and dimensioning. (b) Principles of descriptive geometry and welding specifications. (c) Principles and practices in making, changing, and reproducing complete sets of drawings for both unit and mass production. Laboratory and lecture. Must be taken in a,b,c sequence. Prerequisites: (a) None. (b) VTIG 107 or consent of adviser. (c) Consent of adviser.
- 110-5 ARCHITECTURAL DRAFTING. Use of the drafting instruments; free-hand lettering; orthographic projections; shades and shadow; perspective construction using one-, two-, and three-point methods. Lecture and laboratory.
- 121-8 (4,4) ARCHITECTURAL DESIGN. A study of the principles of architectural planning, design, composition, and presentation. (a) Simple structures of a commercial and residential nature. (b) Complex structures and building groups. Lecture and laboratory. Must be taken in a,b, sequence. Prerequisites: 110, 146a,b, or consent of adviser.
- 127-3 ELECTRICAL, HYDRAULIC, AND PNEUMATIC CONTROLS. A study of A.S.A. and A.I.E.E. standard electrical symbols; J.I.C. electrical, hydraulic, and pneumatic standards and nomenclature; the basic principles of hydraulic controls; and the operating principles of hydraulic machines. Practical application achieved by the preparation of electrical and hydraulic drawings including layouts and schematic and single line drawings. Laboratory and lecture. Prerequisite: 101 and VTIG 107.
- 146-6 (3,3) FREEHAND ARCHITECTURAL GRAPHICS. Freehand drawing from life; sketching and presentation techniques. (a) Pencil techniques. (b) Theory of color and techniques in various color media. Lecture and laboratory. Must be taken in a,b, sequence.
- 147-3 HISTORY OF ARCHITECTURE. Analysis of the development of architecture from the ancient to the present time as it is related to the environmental and cultural setting.
- 150-3 BASIC MATERIALS OF CONSTRUCTION. Introduction to materials of construction with emphasis upon those materials not specifically regarded as structural, such as floor covering, wall covering, paints and finishes, lighting.
- 151-3 MATERIALS AND METHODS OF CONSTRUCTION. Comprehensive study of light frame construction including foundations, manufacture and performance characteristics of materials, framing systems, finish materials, development of construction details and working drawings. Lecture and laboratory. Prerequisite: 110 or consent of adviser.
- 152-2 SITE ENGINEERING. Site selection considerations, land surveys, survey computations, contours, uses of contours, leveling, computations of cut and fill, drainage and grading, staking out buildings and roads, check list for site plans. Lecture and laboratory. Prerequisite: 110 and GSD 116, or consent of adviser.
- 153-4 MECHANICS AND STRENGTH OF MATERIALS. Elementary technical study of force systems; centroids and moments of inertia of areas, deformation and stress, flexure and deformation of beams, combined stresses in short blocks, columns. Prerequisite: GSD 116 or concurrently, or consent of adviser.

- 175-9 (3,3,3) **TECHNICAL DRAFTING.** (a) Principles of orthographic projections, conventional representations and symbols, dimensioning, and sketching. (b) The use of instruments for working drawings including sectional and auxiliary views, threads and fasteners, details and assemblies, welding, and precision dimensioning. (c) The drawings of jigs, fixtures, and special tools. Must be taken in a,b,c sequence.
- 178-3 **BASIC WOODWORKING DRAFTING.** Conveying ideas by means of freehand sketches, orthographic projections including auxiliary, isometric, and oblique projections, dimensioning, as applied to detail and assembly working drawings in the woodworking industries.
- 179-3 **FURNITURE DRAFTING AND DESIGN.** A study of furniture design and the development of working drawings and blueprints as applied to furniture construction.
- 201-21 (7,7,7) **MACHINE DRAFTING AND DESIGN.** (a) Assigned problems involve the analysis of suitable mechanisms and the motions required. (b) Determination of forces, and the selection of materials and proportions to withstand the forces applied. (c) Designing of tools, dies, jigs, and fixtures. Must be taken in a,b,c sequence. Prerequisites: (a) 101, 225 and GSD 114 concurrently or consent of adviser. (b) 127 and 226 concurrently or consent of adviser. (c) 227 concurrently or consent of adviser.
- 210-9 (3,3,3) **CONSTRUCTION.** A technical study of masonry, concrete, metal, wood, and synthetics used in home construction. Development of skills limited to the very basic processes and tools. (a) Rough framing in wood construction. (b) Cabinet making, bench wood-working, and finished carpentry. (c) Continuation of *b* with the addition of finishing and preservation application. Lecture and laboratory. Prerequisite: 250 or consent of adviser.
- 221-12 (4,4,4) **ARCHITECTURAL DESIGN.** Study of architectural planning, design, composition, and presentation. (a) Small commercial and residential structures. (b) Complex low rise structures and building groups. (c) Continuation of *b* with selected problems in architectural design of high rise buildings and building groups. Lecture and laboratory. Must be taken in a,b,c sequence. Prerequisite: 121b or consent of adviser.
- 225-3 **KINEMATICS.** A study of the motions required in various machines and the mechanisms which may be used to produce the desired motions, with special attention to automatic controls. Prerequisite: 101 and GSD 114, and VTID 201a concurrently or consent of adviser.
- 226-3 **STRENGTH OF MATERIALS.** A study of the forces acting on the various parts of machines and the determination of suitable materials and proportions for those parts. Prerequisite: 201b concurrently, or consent of adviser.
- 227-3 **TOOL DESIGN.** A study of the principles of production machine tooling involving the design of cutting tools, tool holders, dies, jigs, and fixtures for use with machine tools such as punch presses, drill presses, turret lathes, automatic screw machines, and grinding machines. Prerequisites: 201c concurrently, or consent of adviser.
- 246-3 **ARCHITECTURAL RENDERING.** Pencil drawing and water color from still life and landscape. Lecture and laboratory. Prerequisite: 146 or consent of adviser.
- 250-10 (3,3,4) **MATERIALS AND METHODS OF CONSTRUCTION.** Comprehensive study of materials and methods of construction including foun-

- dations, manufacture and performance characteristics of materials, framing systems, finish materials, development of construction details and working drawings. (a) Semi-fire-proof construction. (b) Fire-proof construction. (c) Long span steel joists and steel detailing. Lecture and laboratory. Must be taken in a,b,c sequence. Prerequisite: 151 or consent of adviser.
- 254-4 MECHANICAL EQUIPMENT OF BUILDINGS. Code requirements and specifications affecting mechanical equipment; design and installation of plumbing; heating, ventilating, and air-conditioning equipment; electrical wiring; illumination and vertical transportation. Prerequisite: fourth-quarter status in major or consent of adviser.
- 258-4 STRUCTURAL ELEMENTS. Analysis of building loads, theories of shear, flexure, and deflection as they pertain to the design of steel structural members. Prerequisite: 153 or consent of adviser.
- 265-4 (2,2) MECHANICAL SERVICES FOR RESIDENTIAL BUILDING. (a) Sanitary service. (b) Electrical service. Prerequisite: fourth-quarter status in major or consent of adviser.
- 283-3 CONSTRUCTION COST ESTIMATING. A study in methods of preliminary estimates, labor costs, quantity surveying, materials lists, construction schedules, preparation of working estimates. Prerequisite: 250 or consent of adviser.
- 285-3 OFFICE PRACTICE. A study of standard office procedures, contract documents, legal aspects of architectural profession, public relations, professional ethics, and American Institute of Architects standards of professional practice. Prerequisite: 250 or consent of adviser.
- 290-6 (3,3) THEORY OF STRUCTURES. Theory of the design of structural elements and use of the hand books. (a) Reinforced concrete design. (b) Graphic analysis of force systems, structural members, and trusses of wood and steel. Must be taken in a,b sequence. Prerequisite: 258 or consent of adviser.

VTI E

- 100-9 (5,4) DATA PROCESSING MATHEMATICS. (a) The use of mathematics in modern business. (b) Number bases, systems of notation, Boolean algebra, logic, and the application of numerical solutions to physical problems. Emphasis upon the development of logical thought processes and careful work habits. Prerequisite: satisfactory A.C.T. mathematics score or VTIG 106.
- 101-8 (3,5) AUTOMATIC DATA PROCESSING MACHINES. The development of data processing systems covering the history of, need for, and function of automatic data processing equipment. (a) General concepts. (b) Control panel wiring on unit record machines using various laboratory problems. Must be taken in a,b sequence.
- 103-5 COMPUTER PROGRAMMING. Technical experience in using a stored program computer. Emphasis on the machine, its components and logical function. Programming drills and exercises in machine language. Prerequisite: 101.
- 104-3 DATA PROCESSING APPLICATIONS. A study of typical business data processing applications. Authentic case studies show how machines are used as a system in processing data. Topics include billing, accounts re-

- ceivable, accounts payable, inventory control, and payroll. Prerequisite: 100a, 101.
- 107-2 DATA PROCESSING INFORMATION. How to use resource materials. Orientation in the use of the library, *Readers' Guide*, and various periodicals. Prerequisite: 101.
- 202-10 (5,5) SCIENTIFIC COMPUTER PROGRAMMING. (a) Logical functions of a scientific computer. (b) Complex problems using Fortran language system for the IBM 1620. Must be taken in a,b sequence. Prerequisite: 103.
- 203-10 (5,5) BUSINESS COMPUTER PROGRAMMING. Practical business problems. (a) The Symbolic Programming System (SPS) for the IBM 1401. (b) Complex problems involving magnetic tape using the Autocoder system. Must be taken in a,b sequence. Prerequisite: 103.
- 205-5 SYSTEMS DESIGN AND DEVELOPMENT. The three phases in the evolution of a system: Analysis of present data flow, system specifications and equipment selection, and implementation and documentation. Case studies from single applications of the total information system of a large, complex business. Prerequisite: 104.
- 206-10 (3,7) PROGRAMMING SYSTEMS. Provides a working knowledge of concepts of current programming systems so that one may use any specific system with a minimum of instruction. (a) Programming systems analyzed to determine their purpose and function. The major divisions include assembly programs, compilers, generators, monitors, and utility programs. (b) Individual phases of certain selected systems are treated in detail. Must be taken in a,b sequence. Prerequisites: 202, 203.
- 207-3 DATA PROCESSING FIELD PROJECT. Each student is assigned in the University's data processing and computing center, or other approved facility, during his last quarter. Co-ordination of his activity is by the institute's data processing program co-ordinator; evaluation of his performance is by the manager of the co-operating center in conjunction with the academic adviser. Prerequisite: 206a.

VTI F

- 101-24 (8,8,8) PRODUCTION WOODWORKING. Fundamentals of production woodworking, machine operation, cabinet making, millwork, and furniture construction. Lecture, laboratory, and field trip. (a) Production woodworking machines. (b) Cabinet and millwork. (c) Furniture construction. Building construction technology majors take this course for 4 hours of credit. Must be taken in a,b,c or b,a,c sequence.
- 128-4 WOOD TECHNOLOGY. Study of the structure, identification, and physical properties of wood.
- 129-2 WOOD FINISHING. Principles of wood finishing and finishing materials. Lecture and laboratory.
- 130-2 LUMBER SEASONING. Wood-moisture relations, air drying, and kiln drying theory and practice. A full size kiln at the Wood Products Pilot Plant is available for practical seasoning work.
- 131-2 LUMBER GRADING. Study and practice of the National Hardwood, Southern Pines, and West Coast rules. Tally methods and grading for special products.

- 201-24 (8,8,8) **PRODUCTION WOODWORKING.** Advanced machine operation, conventional light frame construction, prefabrication, production scheduling, and manufacturing methods. (a) Light frame construction. (b) Prefabrication methods. (c) Production processes. Building construction technology majors take this course for 5 hours of credit. Lecture, laboratory, and field trips. Must be taken in a,b,c sequence. Prerequisite: 101a.
- 232-2 **WOOD PRESERVATION.** Wood preservatives: their use, limitations, and methods of application.
- 250-3 **PLANT ORGANIZATION AND OPERATION.** Study of the organization and layout of woodworking plants; materials handling methods; safety programs; organization and management of personnel; motion and time studies, quality control, purchasing, inventory, industrial cost. Prerequisite: 101 and 201a,b, or consent of adviser.

VTI G

- 101-3 **BUSINESS CORRESPONDENCE.** A brief review of fundamentals and a complete study of letter forms and letter mechanics. Various types of business letters and report writing with adequate practice in writing application, sales, adjustment, inquiry, and credit letters. Prerequisite: GSD 101a.
- 102-3 **TECHNICAL WRITING.** Development of an understanding of basic principles and proficiency in the skills involved in writing the technical report.
- 106-0 **ELEMENTARY MATHEMATICS.** A refresher or remedial course, which includes a review of the mathematical foundations necessary to take college-level mathematics courses.
- 107-3 **TECHNICAL MATHEMATICS.** The study of algebra with specific orientation to the vocational needs of the students. Separate sections for the various curricula as designated in the Schedule of Classes. Prerequisite: satisfactory A.C.T. mathematics score or 106.
- 115-3 **INORGANIC AND ORGANIC CHEMISTRY.** A study of inorganic and organic dental materials including impression and duplicating compounds, denture base materials, acrylic resin teeth and bridges, dental waxes, and porcelains.
- 136-5 **INTRODUCTORY SOCIOLOGY.** Interrelationships of personality, social organization, and culture; major social processes; structure and organization of social groups.
- 141-5 **INTRODUCTION TO PHYSIOLOGY.** A survey of the functions of the human body for students desiring basic but comprehensive knowledge of human physiology.
- 177-2 **ECONOMICS OF DISTRIBUTION.** A review of our economic system, markets, production value, price, etc., emphasizing the place and function of distribution in our national and world economy.
- 232-4 **LABOR MANAGEMENT RELATIONS PROBLEMS.** Personnel policies, selection and employment, employee benefits, labor organizations and governmental activities, employee-employer relations, grievance procedure, wage and salary standards, and use of practical industrial psychology.

VTI H

- 112-3 JURY CHARGE. Material is dictated from actual jury charges from official records. Because this form is different from ordinary dictation, prospective court reporters need this practice. Prerequisites: VTIS 224, 230.
- 120-17 (7,5,5) STENOGRAPH MACHINES. (a) A study of the principles of stenograph theory with emphasis and intensive drill on brief forms, phrases, and word families. Correct reading and writing techniques are emphasized. Dictation speeds are gradually increased to a minimum 60 words per minute for 5 minutes. Students with one or more years' stenograph machines instruction receive no credit. (b) Provides for learning an automatic vocabulary of brief forms, special forms, and word families. Writing practices on familiar materials and introduction of new material in dictation. Sustained writing situations are gradually introduced. Dictation speeds are gradually increased to a minimum of 80 words per minute for 5 minutes. (c) Dictation speeds to a minimum of 120 words per minute for 5 minutes are required. Intensive drill on brief forms and word families and office-style dictation situations are presented. Must be taken in a,b,c sequence.
- 123-4 (2,2) STENOGRAPH MACHINES TRANSCRIPTION. (a) Introduction to the principles of stenograph machines transcription, placement of letters, spelling, vocabulary building, application of grammar, transcription of business letters and reports according to modern business office standards. (b) Practice on transcription of notes taken from the dictation of familiar material, transcription of notes taken from the dictation of unfamiliar material, transcription of "cold" notes and notes taken from "natural" dictation. Emphasis on speed development and correct usage of transcription procedures according to modern business office standards. Must be taken in a,b sequence, concurrently with 120b,c. Prerequisite: 120a.
- 210-4 TWO-VOICE TESTIMONY. Dual dictation, alternating questions and answers, to give the student practice in taking dictation under these conditions, which occur in court procedure. Prerequisite: 123 or VTIS 209a and 221a.

VTI J

- 101-18 (6,6,6) COMPOSITION AND PRESSWORK LABORATORY. (a) Elementary composition and platen presswork. Application of the principles of hand composition, with emphasis on correct spacing, justification, and punctuation. Operation and care of a hand-fed platen press. (b) Advanced composition and automatic presswork. Techniques of tabular and multiple justification problems in hand composition. Type forms are set and prepared for two-color register printing. Operation and care of automatic platen and cylinder presses. (c) Elements of offset presswork and camera-work. Copy preparation, stripping of flats, plate making, and darkroom and camera procedures. Must be taken in a,b,c sequence, concurrently with a corresponding section of 125.
- 125-9 (3,3,3) COMPOSITION AND PRESSWORK THEORY. (a) Elementary composition and platen presswork. History and development of the print-

- ing trade. A study of the California job case, rules for division of words, the printers' system of measurement, and techniques of printing with a platen press. (b) Advanced composition and automatic presswork. Procedures for setting complicated handset forms and for making up multiple forms involving both handset and machine types. An operation analysis is made for each of the automatic presses. (c) Elements of offset presswork and camerawork. Offset press techniques contrasted to letterpress. The kinds of reproducing plates that are available is discussed, and the procedures for operation of camera and darkroom equipment is analyzed. Must be taken in a,b,c sequence, concurrently with a corresponding section of 101.
- 152-3 PROOFREADING. A study of proofreaders' marks and their application to copy preparation and marking of printers' proofs. Application of spelling, punctuation, and word division, and adherence to office style.
- 153-3 PRINTING LAYOUT AND DESIGN. A study of type faces and their appropriate uses. Comparison of good and poor design. Preparation of layouts for jobs being currently printed in the shop.
- 201-18 (6,6,6) MACHINE TYPESETTING AND PRODUCTION LABORATORY. (a) Principles of Linotype and Intertype operation, with emphasis on touch system. Practice in many types of machine composition. (b) Advanced Linotype and elements of Ludlow operation, with the application of tabular and broached rule composition. Operation of Ludlow type caster. (c) Advanced production printing, letterpress and offset. Application of the techniques learned in relation to real jobs in the shop. The paper drill, paper stitcher, and paper cutter are used. Must be taken in a,b,c sequence, concurrently with a corresponding section of 225. Prerequisites: 101a, 125a.
- 225-9 (3,3,3) MACHINE TYPESETTING AND PRODUCTION THEORY. (a) A study of the correct keyboard system for slug-casting machines, word division, and straight-matter composition procedures. (b) Advanced Linotype and Intertype maintenance, adjustments, and advanced keyboard problems; operational procedures of the Ludlow type caster. (c) Procedures for the planning and production of printing. A study of the kinds of ink, paper, and other supplies needed for both letterpress and offset printing. Must be taken in a,b,c sequence, concurrently with a corresponding section of 201. Prerequisites: 101a, 125a.
- 251-3 ESTIMATING AND COSTS IN PRINTING. How to estimate the amounts of ink and paper needed for a job. How to determine cost and price. Prerequisite: concurrent enrollment in 201c and 225c.

VTI K

- 101-9 (3,3,3) CALCULATING MACHINES. (a) Development of operational skill on the key-driven calculator, ten-key adding machine, full-key adding machine, rotary calculator, and accounting machines. Production standards are used to measure skill proficiency. (b) Further development of skill. (c) Office practice sets and skill-developing production timings are used to accomplish occupational competency on the calculating machines to be used in the student's chosen major fields. Must be taken in a,b,c sequence.

VTI L

111-5 CLERICAL PROCEDURES. Nonstenographic skills in record-keeping are practiced by preparing stock records, perpetual inventories, invoices, bills of lading, checks, receipts, and statements; by auditing invoices; and by proving petty cash.

VTI M

101-15 (5,5,5) MACHINE TOOL LABORATORY. Supervised practice of operations. (a) Engine lathe and bench work. (b) Shaper and planer. (c) Precision measurement techniques. Must be taken in a,b,c or a,c,b sequence, concurrently with a corresponding section of 125.

125-11 (5,3,3) MACHINE TOOL THEORY. (a) Engine lathe and bench work. (b) Shaper and planer. (c) Precision measurement techniques. Must be taken in a,b,c or a,c,b sequence, concurrently with a corresponding section of 101.

175-3 BASIC MACHINE SHOP PRACTICE. Machine shop for the allied trades stressing the use of hand tools, drilling, and basic lathe work.

176-6 (3,3) MANUFACTURING PROCESSES. (a) Chip machining. (b) Chipless machining. May be taken in a,b or b,a sequence.

201-15 (5,5,5) MACHINE TOOL LABORATORY. Supervised projects involving: (a) Milling machines. (b) Precision grinding machines. (c) Production machines. May be taken in any sequence, concurrently with a corresponding section of 225. Prerequisite: 101a.

225-9 (3,3,3) MACHINE TOOL THEORY. (a) Milling machines. (b) Precision grinding machines. (c) Production machines. Must be taken concurrently with a corresponding section of 201. Prerequisite: 125a.

275-6 (3,3) METALLURGY. (a) Properties of steel, selection and heat treatment of steels, theory of alloys, and study of basic phase diagrams. (b) General characteristics of the metallic elements, study of constitutional and phase diagrams, study of micro-structures of metals and principal non-ferrous metals and their alloys. Must be taken in a,b sequence.

VTI N

101-3 ART ANALYSIS. Primarily a general art history background. Analytical discourse of the aims, techniques, methods, materials, and media of classical and contemporary artists and their influence on today's commercial art.

125-10 TECHNIQUES—THEORY AND PRACTICE. A basic, well-disciplined, practical background in using the most suitable materials. Stresses versatility in using all media acceptable in commercial art today. Also, the preparation of art work for reproduction.

130-10 ADVERTISING DESIGN AND PRODUCTION. Production of practical, attractive, original, effective, and aesthetically pleasing art in all advertising media, with emphasis on lettering, typography, and practicality of reproduction. Prerequisite: 125-10.

140-10 INTRODUCTORY ADVERTISING AND STORY ILLUSTRATION. Execution of problems typical of those which confront the advertising illustrator, in various media, with emphasis on excellence, individuality

of concept and technical treatment, and creative development. Prerequisite: 130-10.

210-26 (8,9,9) **ADVERTISING AND STORY ILLUSTRATION THEORY AND PRACTICE.** (a) Execution of various problems typical of those which confront the story illustrator, with emphasis on subject analysis, research, drawing, composition, and preparation of the finished piece. From concept to completion, the student employs creative organization of pictorial material at a professional level. (b) Complex and comprehensive assignments, with emphasis on layout design and advanced rendering techniques. (c) Design and development of three-dimensional point-of-purchase displays and practical application of color separation overlays. Must be taken in a,b,c sequence, concurrently with a corresponding section of 230. Prerequisite: 125c.

230-26 (8,9,9) **TECHNICAL ILLUSTRATION THEORY AND PRACTICE.** Based on the exacting requirements of the armed forces and industry. (a) Preparation and rendering of aircraft, automotive, and machine parts in various media from blueprints for operation and maintenance manuals. (b) Emphasis on rendering and reproduction suitability. (c) Emphasis on advanced air-brush rendering, photo retouching, and technical manual publication. Must be taken in a,b,c sequence, concurrently with a corresponding section of 210. Prerequisite: 125c.

VTI P

101-10 (7,3) **NURSING PRACTICE AND THEORY.** (a) Development of basic nursing skills in the classroom as well as in the patient setting, where the student's practice is carefully supervised. Concurrent nursing classes focus on the development of nursing ethics and an understanding of the legal rights and opportunities of a licensed Practical Nurse. (b) Development of advanced nursing skills, including first aid; aid through diversional and rehabilitative activities, in the restoration to useful activity of persons handicapped by disease or deformity; care of the well child, with emphasis on growth and development from infancy through adolescence. Study of the family setting and its influence, and of the normal problems of children. Must be taken in a,b sequence.

103-20 (4,8,8) **CLINICAL THEORY AND PRACTICE.** (a), (b), (c) may be taken concurrently. During the clinical period of 32 weeks, courses are concurrent, with the students rotating as closely as possible. The students rotate from one area of learning to another every six weeks. Prerequisite: 101. These supervised areas and courses include (1) nursing care of the aged, chronic, and convalescent; (2) nursing care of the sick child in regard to specific diseases found in children; (3) care of mothers, fetal development, normal pregnancy, prenatal care and post-partum nursing, routine care of the newborn, formula preparation, and disorders of the newborn; (4) nursing care of selected medical and surgical diseases; and (5) diet service of two weeks. Cluster classes are held each week in the individual hospitals relating to specific treatments and nursing care. This consists of a discussion group and exchange of ideas assisted by the instructor. Vocational opportunities are taught as an orientation to the possibilities of employment and information is given concerning nursing organizations.

- 131-4 FOODS. Meal planning, marketing, preparation, table service, and normal dietary needs.
- 132-4 (3,1) HEALTH. Emphasis on understanding the normal body functions as a basis for understanding deviations from normal in time of disease and the care which may be given a patient with particular disease. (a) Includes the scope of scientific knowledge which enables man to maintain vigorous health and guard against disease. Principles of individual hygiene and public health. (b) A preclinical introduction to the nursing care of patients for selected medical and surgical diseases. Must be taken in a,b sequence.

VTI R

- 124-4 INTRODUCTION TO RETAILING. Distribution functions, modern store organization, history and background of modern retailing, and the basic responsibilities of the student in co-operative retailing.
- 127-6 (3,3) SALESMANSHIP. Principles and techniques of selling. (a) Basic principles of salesmanship. Personality requirements, techniques of making sales in the retail stores, retail sales problems and ways to solve them. (b) Analysis of the techniques of prospecting used in specialized selling; determining customer needs, presenting merchandise, meeting objections, and professionally assisting customers.
- 176-3 PRODUCT ANALYSIS. A background course in basic theories and principles of analyzing merchandise.
- 177-15 (5,5,5) PRODUCT INFORMATION LABORATORY. Basic theories and principles of analyzing merchandise and the study of how merchandise information is used. (a) An application to hardline, softline, food, and sundry merchandise. (b) A study of a particular line of merchandise. (c) An intensive study of merchandise or service of particular interest to the student, with emphasis on use of product information in buying and selling. Must be taken in a,b,c sequence. Prerequisites: (a) 176 or concurrently; (c) consent of adviser.
- 179-5 RETAIL MATHEMATICS. Analysis and calculations encountered daily in merchandising. Mark-up, mark-down, stock records, profits, expense, discount, budgeting.
- 201-4 to 20 CO-OPERATIVE WORK EXPERIENCE. Full-time training in a University-approved merchandising establishment for at least one 40-hour week per hour of credit. (a) Opportunity to learn the functional organization of the company, to become acquainted with the store system and policies, and to perform duties in at least one payroll job. Includes preparation of weekly reports, participation in periodic discussions with other trainees led by the co-ordinator, and completion of a written project assigned by the co-ordinator. (b) Work in a situation in which the co-ordinator and store supervisor agree offers opportunity for additional learning and experience. (c) Opportunity to survey and participate in some of the planning and preparation of sales promotion efforts of the training station. (d) Work in some supervisory or responsible position in the merchandising division of the store. Must be taken in a,b,c,d sequence except with consent of adviser.
- 205-4 MERCHANDISING PRINCIPLES. The buying process (what, where, how, and when to buy), orders, terms, prices, invoices, types of buying, trade relations, duties of the buyer or department manager.

- 206-5 RECORDS AND STATISTICS. Survey of systems of keeping and interpreting systematic retail records and statistics. Analyzing merchandising and expense-control data. Related technically to 205. Prerequisite: 179.
- 207-6 (2,4) SALES PROMOTION. Fundamentals of sales promotion and its relationship to advertising and display. (a) The principles and techniques of the physical presentation of merchandise. (b) The fundamentals of sales promotion and its relationship to all forms of publicity. Principles and techniques of retail advertising. May be taken in any sequence.
- 208-6 (4,2) FASHION MERCHANDISING. The influence of fashion in all phases of merchandising. Aid in forecasting fashion trends. Analysis and appreciation of color and line in design. Interpretation of the underlying factors which determine fashion. (a) Fashion as it applies to all phases of buying and selling of both textile and non-textile merchandise, basic principles of color line and design. Interpretation of factors influencing fashion. (b) Current fashion trends as determined from a survey of current fashion literature. May be taken in any sequence.
- 224-4 RETAIL STORE ORGANIZATION AND MANAGEMENT. Organization and operation of a retail business. Forms of ownership, financing a new business, location, building and layout, non-selling duties, insurance, and store policies.
- 227-3 PERSONNEL MANAGEMENT. Retail personnel management, employee relations, policies and techniques. Methods of recruitment, selection, placement, and training.
- 280-3 RETAIL CREDITS AND COLLECTIONS. Modern consumer credit management, consumer credit sales practices, collection procedures, legal aspects, human relations in the credit department, credit letters, trends.

VTI S

- 101-9 (3,3,3) TYPEWRITING. (a) Introduction to touch typewriting techniques and attainment of a minimum net typewriting rate of 30 words per minute. Simple business correspondence, tables, and manuscripts. No credit for students who have had one year or more of typewriting instruction. (b) Building typewriting manipulative skill by increasing speed to 40 words per minute and developing control. All basic letter styles are practiced. Skill proficiency is developed on numbers and special symbols. (c) Development of typewriting skills and knowledges with a minimum net typewriting rate of 50 words per minute. Special business communication forms and styles are introduced and practiced. Must be taken in a,b,c sequence.
- 104-17 (7,5,5) SHORTHAND. (a) An introduction, utilizing demonstration, drills on word lists, practice in reading materials, intensive drills on brief forms, phrases, and word families. No credit for students who have had one year or more of shorthand instruction. (b) Vocabulary, brief forms, word families, English fundamentals, punctuation, and spelling aids. A minimum dictation rate of 80 words per minute is attained. (c) Emphasis on dictation, speed building, mailable transcripts, and sustained writing practice. A minimum dictation rate of 100 words per minute is attained. Must be taken in a,b,c sequence.
- 105-4 (2,2) TRANSCRIPTION. (a) Instruction in the principles of transcription, placement of letters, punctuation, spelling, vocabulary building, and

- application of grammar. The transcription of business letters and reports according to business standards. (b) Building speed and accuracy in transcription. Practice in transcribing from "cold" notes and office-style dictation. Transcription speed of 25 words per minute is attained with much emphasis on spelling, punctuation, and English usage. Must be taken in a,b sequence, concurrently with 104b,c. Prerequisite: 101a.
- 107-2 FILING AND DUPLICATING. Basic principles of modern filing systems; alphabetic, subject, numeric, and geographic. Students work with practice filing equipment, learning the rules of indexing, cross referencing, coding, charge-outs, color devices, and setting up a modern system. Basic principles and practice on multiple copy machines. Prerequisite: 101a or consent of adviser.
- 125-2 PERSONALITY DEVELOPMENT. (Required of all secretarial students majoring in one of the business programs.) Special instructional sessions offered on personal hygiene, personality, clothing, job application, and professional ethics.
- 205-6 (3,3) TYPEWRITING. (a) Application of typewriting skills and theory to problem situations with a minimum net typewriting rate of 60 words per minute required. Special statistical reports, duplication procedures, legal typewriting problems, tabulation of unarranged materials, employment typewriting tests, and accounting reports. (b) The development of a minimum net typewriting rate of 70 words per minute. Office-style production assignments measure skill performance. Must be taken in a,b sequence. Prerequisite: 101c.
- 209-10 (5,5) SHORTHAND. (a) Emphasis on dictation and transcription leading to mailable copy according to modern business standards. A minimum dictation rate of 110 words per minute is attained. Attention is given to most-used business phrases, common business words and terms, spelling, English fundamentals, and shorthand theory. (b) Development of shorthand dictation skills leading to attractive and mailable transcribed copies at minimum speeds of 120 words per minute. Must be taken in a,b sequence. Prerequisite: 104c.
- 214-5 CO-OPERATIVE SECRETARIAL EXPERIENCE. The student spends either half days or two weeks at a time in an office to gain experience in the field of his major (in stenographic, nonstenographic, accounting, or office machines). The half-day plan is used within a radius of 20 miles of the institute; in others, part-time placement is planned in the student's home town, or environs, wherever possible. Prerequisite: fifth-quarter standing in secretarial major.
- 218-4 CO-OPERATIVE MEDICAL SECRETARIAL EXPERIENCE. The student spends either half days or two weeks at a time in an office of a physician, dentist, or hospital to gain experience in the field of his major. The half-day plan is used in offices within a radius of 20 miles of the institute; in others, part-time placement is planned in the student's home town, or environs, wherever possible. Prerequisite: fifth-quarter standing in secretarial major.
- 221-4 (2,2) TRANSCRIPTION. (a) The principles of transcription, placement of letters, punctuation, spelling, vocabulary building, and application of grammar according to modern business office standards. (b) Development of transcription skills from high speed dictation notes using business, commercial, and industrial vocabulary. Attention given to word usage,

- sentence structure, punctuation, and spelling. Must be taken in a,b sequence, concurrently with 209a,b. Prerequisite: 101b.
- 223-5 SECRETARIAL OFFICE PROCEDURES. Handling office work in a detailed manner. Receiving callers, handling correspondence, planning itineraries, care of appointments, preparation of legal documents, personnel records, and telephone technique. Techniques of successful placement for employment are integrated with the placement counselor of the institute. Lecture and laboratory. Prerequisites: 104c, 105c.
- 224-5 LEGAL DICTATION SHORTCUTS. Dictation, involving special legal terms, vocabulary building, shortcuts in writing legal terms in Gregg shorthand, or in machine shorthand. Special phrasing, advanced brief forms, and technical terms needed in legal secretarial work. Prerequisites: 104c, 105c.
- 225-10 (5,5) MEDICAL DICTATION. (a) Advanced dictation involving medical terminology, phrasing, and vocabulary. Special terms and definitions are used in preview of materials found in the dictation for transcription. Emphasis on definitions, spelling, and shorthand writing of medical prefixes and suffixes. (b) Increasing speed and proficiency in the writing of medical case histories, medical phrases, and special medical terms. Medical secretarial techniques are stressed. Must be taken in a,b sequence. Prerequisites: 104c, 105c.
- 226-4 (2,2) MEDICAL TRANSCRIPTION. (a) Transcription from dictated notes, using terminology from general medicine and specialized related areas. Preparation of medical case histories, X-ray reports, and post-operative diagnosis. (b) Emphasis on increasing speed and proficiency of medical transcriptions. Advanced medical terms, special types of case histories, medical phrases, and special forms are included. Special medical secretarial techniques are stressed. Laboratory. Must be taken in a,b sequence, concurrently with 225a,b. Prerequisites: 104c, 105c.
- 230-2 LEGAL TRANSCRIPTION. Transcription from dictation notes peculiar to the work of a legal secretary or court stenographer. Special work in preparation of briefs, court testimony, and legal documents with State of Illinois Standard Form. Must be taken concurrently with 224.

VTI T

- 101-21 (7,7,7) ELECTRONIC LABORATORY. (a) AC, DC. (b) Vacuum tube and transistor. (c) Transmitter and receiver. Must be taken in a,b,c sequence, concurrently with a corresponding section of 125.
- 125-15 (5,5,5) ELECTRONIC THEORY. (a) AC, DC. (b) Vacuum tube and transistor. (c) Transmitter and receiver. Must be taken in a,b,c sequence, concurrently with a corresponding section of 101.
- 201-15 (5,5,5) ELECTRONIC LABORATORY. (a) Transistor and vacuum tube laboratory. (b) Pulse and microwave laboratory. (c) Service problems solving. Must be taken in a,b,c sequence, concurrently with a corresponding section of 225. Prerequisites: 101, 125.
- 202-5 PRINCIPLES OF TELEVISION. Laboratory practices involving signal tracing, signal injection, sweep alignment in television receivers with the emphasis on diagnostic approach. Must be taken concurrently with 226. Prerequisites: 201a, 225a.
- 205-5 MICROWAVE, SERVO, ULTRASONIC, AND RADAR. Analysis of

- synchro systems, servo control systems, industrial ultrasonic and sonar circuits, micro-wave transmitters and receivers, multiplexing circuits, and radar systems. Must be taken concurrently with 231. Prerequisites: 202, 226.
- 225-15 (5,5,5) ELECTRONIC THEORY. (a) Transistor and vacuum tube principles. (b) Pulse circuits and microwaves. (c) Electronic service principles. Must be taken in a,b,c sequence, concurrently with a corresponding section of 201. Prerequisites: 101, 125.
- 226-5 TELEVISION CIRCUITS AND SYSTEMS. The study of the composite video, R.F., I.F., A.F., A.F.C., clipping circuits, synchronizing, and power supplies with emphasis on diagnostic approach. Must be taken concurrently with 202. Prerequisites: 201a, 225a.
- 228-3 FEDERAL COMMUNICATIONS COMMISSION LICENSE. A theory course for second class FCC license. Examination must be taken at an FCC examining point. Prerequisites: 101, 125.
- 229-3 COLOR TELEVISION. Principles of color television theory. Must be taken concurrently with 201c and 225c. Prerequisites: 201b, 225b.
- 231-5 INDUSTRIAL AND MICROWAVE SYSTEMS. Principles of synchros and synchro control systems; servo control systems; industrial measurement and control systems, microwave oscillators, transmitters, receivers, multiplexing, and radar systems. Must be taken concurrently with 205. Prerequisites: 202, 226.
- 232-3 INDUSTRIAL CIRCUITS. An over-view of industrial, control, and measuring circuits. Prerequisites: 101, 125.

VTIU

- 101-6 (3,3) THE FUNERAL—HISTORY AND CUSTOMS. (a) History and customs of the funeral from ancient times through modern practices. (b) History of American funeral directing up to the present date, including current events.
- 202-3 RESTORATIVE ART. Anatomical modeling, theories, methods and techniques; color theory and its relationship to our environment; psychological effects of color; cosmetology; design proportions. Laboratory and lecture.
- 203-3 INTRODUCTION TO EMBALMING. Orientation and technique. A study of the chemistry of the body, sanitation, disinfection, and embalming fluids. Prerequisites: Chemistry 110, 240, Physiology 300, GSA 301.
- 205-6 (3,3) PATHOLOGY. A study of the morbid changes that take place in human tissue as a result of disease processes. Must be taken in a,b sequence. Prerequisites: Physiology 300, GSA 301.
- 208-2 PUBLIC HEALTH, LAWS AND REGULATIONS. Basic principles and practices of public health administration. Organization and functions of agencies, at federal, state, and local levels, which are engaged in the preservation and protection of public health. The funeral director's responsibilities and relationships to local boards of health and the State Department of Public Health.
- 210-3 PSYCHOLOGY OF FUNERAL SERVICE. Psychological principles relative to the funeral director in consultation with his clients. A study of the psychology of grief. Prerequisites: Psychology 305, 307.
- 225-15 (5,5,5) EMBALMING THEORY AND PRACTICE. Theory, practices, and techniques of sanitation and preservation as related to the care of de-

ceased human bodies. Lecture and laboratory. Must be taken in a,b,c sequence. Prerequisite: 203.

- 250-6 (3,3) MORTUARY MANAGEMENT. A study of the problems involved in the practice of funeral management. Current practices and procedures in the direction of funerals. Funeral home operation and records. Laws, ethics, and professional regulations. Must be taken in a,b sequence. Prerequisite: 101.

VTI W

- 101-21 (7,7,7) WELDING LABORATORY. (a) Oxy-acetylene welding of light gauge steel in all positions, fusion and hard soldering (brazing) in non-ferrous metals, and use of the oxy-acetylene cutting blowpipe, manual and machine. (b) Metallic arc welding on heavy gauge steel using AC and DC welding machines. Introducing all positions in metallic arc welding. (c) Metallic arc welding in all positions with special application to electrodes. Inert arc welding (heliarc) with ferrous and non-ferrous metals. Must be taken in a,b,c or b,c,a sequence, concurrently with a corresponding section of 125.
- 125-9 (3,3,3) WELDING THEORY. (a) Oxy-acetylene theory involving the proper use of welding and cutting blowpipes, acetylene generators, regulators, and proper techniques of welding and brazing ferrous and non-ferrous metals. (b) Theory of metallic arc welding including types of electrodes, welding machines, techniques, proper joints and inert arc (heliarc) machines and techniques. (c) Welding specifications and inspection methods dealing with weld testing methods, procedures and inspection that the student will encounter in the field. Must be taken in a,b,c or b,c,a sequence, concurrently with a corresponding section of 101.
- 175-3 OXY-ACETYLENE AND ELECTRIC ARC WELDING. Provides the machinist and other tradesman with enough welding experience to make simple repairs.

VTI X

- 201-2 JOB ORIENTATION. Preparation of a portfolio consisting of a personal data sheet, an analysis of prospective employing firms, sample letters of application, and an acceptance or refusal. Practice in being interviewed by representatives of business and industry.
- 202-2 PROFESSIONAL ETHICS. Required of the technician within his own craft organization and the ethics necessary in dealing and co-operating with the dental profession. Legal requirements of the technician and the dental laboratory.

VTI Y

- 101-27 (9,9,9) DENTAL PROSTHETICS. (a) A detailed study of individual tooth form and surface anatomy, with emphasis on the relationship of form to function and on correct usage of nomenclature. (b) Removable partial denture construction including wire bending, soldering with gas and electric resistance, surveying and design and casting by means of lost wax pattern techniques. (c) Complete denture construction including

bite blocks, recording mandibular movements on an articulator, Hanau's laws of articulation, setting up full dentures in bi-lateral balance, carving and festooning, tooth form and selection, and the use of acrylic resins as well as metal bases. Must be taken in a,b,c sequence.

- 113-3 SCIENCE OF DENTAL MATERIALS. Principles of physical science with emphasis on the structure and behavior of materials used in dentistry.
- 128-2 ORAL ANATOMY. Detailed study of the parts and functions of the temporomandibular articulation; surface oral tissues and the underlying supporting tissues; and supporting structures for bridge abutments.
- 130-2 ORIENTATION TO DENTAL HYGIENE. Survey of dental hygiene from anatomy through dental caries, oral diseases, public health, dental health education, and the history of dental hygiene.
- 132-8 (4,4) HEAD AND NECK ANATOMY. (a) Structures of the oral cavity with particular emphasis on gross anatomic features, such as skull, muscles, vessels, nerves, and specialized groups of structures, with a view to their pertinence to dental hygiene. (b) Close study of all teeth and reproduction in wax, natural size. Demonstrations and lectures on the normal and abnormal gingiva and perio-dental attachment. Must be taken in a,b sequence.
- 135-11 (4,4,3) ORAL BASIC SCIENCE. The microscopic structure of oral tissues, the normal and abnormal microbial flora of the oral cavity, and the appearance and symptomatology of the oral tissues and organs during disease processes. (a) The microscopic structure of the cells and tissues of the oral region. Illustrated lectures. (b) Basic microbiology with emphasis on the micro-organisms found in the oral cavity in health and disease. Lecture and laboratory. (c) Basic symptoms of inflammation in body tissues, and the appearance of disease entities and developmental disturbances in the oral tissues and structures. Lecture and laboratory. Must be taken in a,b,c sequence.
- 137-8 (4,4) PRECLINICAL DENTAL HYGIENE. Introduction to clinical practice. (a) A study of the instruments used in prophylaxis, scaling techniques, and familiarization with clinical routine. (b) Manikin practice in scaling, porte-polishing and tooth-brushing techniques, followed by practice scaling and polishing on a student-partnership basis. Must be taken in a,b sequence concurrently with 132. Prerequisites: 130, VTIG 141.
- 139-3 DENTAL NUTRITION. Correlation of nutritional principles and needs with biochemistry to furnish a background for dental health education.
- 140-2 DENTAL PHARMACOLOGY. Introduction to classes and types of drugs, action on body tissues and organs, specific dental remedies and formulae, and first aid procedure for poisons. Must be taken concurrently with 139. Prerequisite: VTIG 115.
- 201-27 (9,9,9) CROWN AND BRIDGEWORK. (a) A study of the theory and practice of gold inlay, crowns, veneers, pontics and small bridges, carvings, investment casting, and soldering and polishing. (b) Theory and practice of advanced types of crown and bridgework and mouth rehabilitation as it involves laboratory procedures. (c) Dental ceramics and the use of precision attachments, working with dental porcelains and platinum matrices shadings, staining and glazing with the proper placement and parallelism of precision attachments used in removable bridgework. Must be taken in a,b,c sequence. Prerequisite: 101c.

- 210-15 (5,5,5) **CLINICAL DENTAL HYGIENE.** Clinical practice on patients with additional lecture and seminar periods. (a) Introduction to clinical dental hygiene practice. (b) Clinical practice for adults and children. (c) Clinical practice and preparation for State and National Board Examinations. Must be taken in a,b,c sequence. Prerequisites: 132, 137, 139, 140, VTIG 141, and sophomore standing in dental hygiene.
- 213-6 (3,3) **DENTAL ASSISTING.** Principles of chair-side assisting, the science of dental materials, and basic dental laboratory procedures. (a) Assisting the dentist at the chair and manipulation of restorative materials. (b) Assisting the dentist in the laboratory with study and use of laboratory materials. Must be taken in a,b sequence. Prerequisites: VTIG 115, sophomore standing in dental hygiene.
- 216-2 **DENTAL ETHICS AND ADMINISTRATION.** Dental ethics, office administration, and legal regulations of dental practice and dental auxiliaries. Guest lecturers of recognized stature in the field. Lectures and field trips.
- 217-2 **DENTAL HEALTH EDUCATION.** Each student presents talks and demonstrations, leads discussions and seminars, and gives visual presentations of the basic principles of dental health. Visits to selected schools, area health clinics, and suitable dental meetings. Prerequisites: 216, GSD 101, 102, 103, GSB 202, sophomore standing in dental hygiene.
- 218-4 (2,2) **CLINICAL DENTAL ROENTGENOLOGY.** Instruction in the production, use, and protection of X-radiation. (a) The theory and production of X-rays; radiation dosages and protection. (b) Techniques of exposing, developing, fixing and mounting X-ray films in surveying the teeth and oral cavity. Must be taken in a,b sequence. Prerequisites: 132, 137, VTIG 115, 141, sophomore standing in dental hygiene.

Adult Education

(Carbondale Campus)

ADULT EDUCATION is becoming not a “making up,” but a “keeping up” and “going ahead” factor in American society. “All men by nature desire to know,” wrote Aristotle, and to help meet this desire the Division of Technical and Adult Education offers a variety of noncredit courses. Any interested group may request assistance in the development of a course to meet its particular needs.

The Division of Technical and Adult Education attempts to meet the fundamental functions of adult education in its performance in our society. These functions are (1) to expand communication skills, (2) to develop in adults the ability and willingness to change in a changing world, (3) to improve human relations, (4) to help adults to participate in, and to be concerned with, the responsibilities of citizenship, (5) to build personal growth for the adult learner, and (6) to provide use of leisure time, to create new interests, and to seek ways of spending time productively.



TYPICAL COURSES

Adult education offerings by the Division of Technical and Adult Education encompass a variety of subjects:

Courses in *agriculture* for farm owners and workers help them improve their operation and ownership. The following are courses which meet once each week for from two to six weeks:

Agronomy	Farm Management
Beef Production	Farm Records
Crop Diseases	Fruit Production
Dairy Production	Sheep Production
Egg Grading	Vegetable Growing for Market

There is a growing recognition that *creative arts* are important in adult education. The following courses and others have been offered in this category:

Art Appreciation	Music Appreciation
Oil Painting	Leathercraft
Portrait Painting	Jewelry
Sketching	Ceramics

Courses in *home and family life* meet the ever-increasing need and demand of adults. As circumstances change, new courses are added. Courses such as the following are available:

A More Charming You	Tailoring
Clothing Construction	Parenthood in a Free Nation
Home Work Simplification	Nutritional Weight Control
Interior Decorating	Party Foods

Demands in *business* are met through a variety of adult education courses. These range from beginning courses for adults who wish to prepare for initial positions to advanced courses for employed adults who desire promotions. The following are representative courses:

Bookkeeping-Accounting	Insurance, C.L.U., C.P.C.U.
Calculating Machines	Medical Clinic Office Procedure
Certified Professional Secretaries	Payroll Accounting
Refresher	Real Estate Law, Appraisal, and Sales
Clerical Procedures	Retail Management
Cost Control	Small Retail Store Problems
Filing	Shorthand
	Stocks, Bonds, Investments

Many adults evidence increased interest in *foreign languages*, possibly because of more international travel or emphasis to retain native languages. The division meets the interest of adults by offering courses such as these:

Conversational Spanish
Conversational French

German for Travelers
Technical Russian

Industry today has an ever-increasing demand for *vocational and technical workers* to build a stronger nation through increased production. The following courses illustrate how adult education meets the demands of industry:

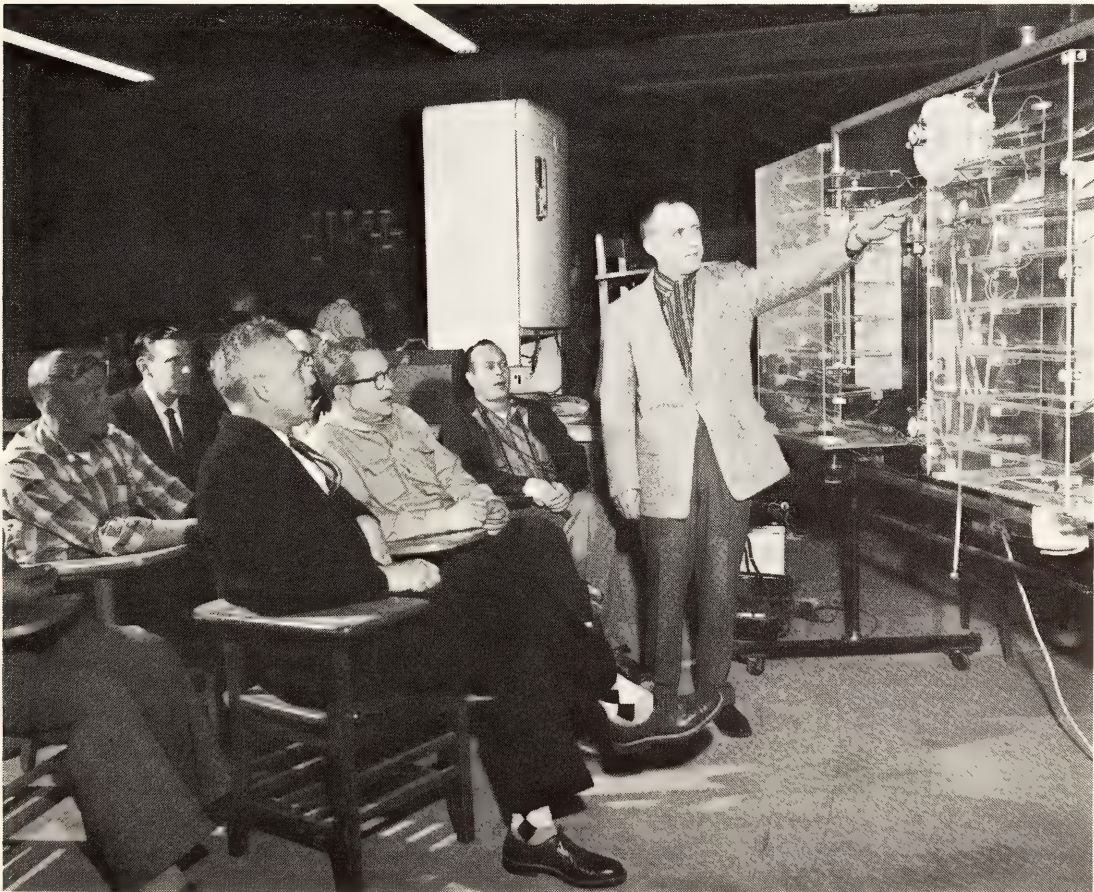
Dielectric Heating
Machine Tooling
Precision Measurement
Quality Control
Welding

Automotive Procedures
Electronics
Electricity
Machine Drafting
Blueprint Reading for Shop Mechanics

Many courses for *labor groups* are conducted to help selected adults prepare as apprentices and journeymen. Each course is specifically planned for the particular trade in co-operation with the local union and the University's Labor Institute. The following courses have been offered:

Blueprint Reading for Building
Trades
Carpenter Apprentice Related
Training

Mathematics for Carpenters
Plumber Estimating
Refrigeration for Plumbers
Cable Splicing for Electricians
Welding for Plumbers



The importance of better use of *leisure time* is increasing in our modern society. Courses such as the following have been offered by adult education:

Great Books	Photography
Reading Improvement	Home Mechanics
Furniture Re-upholstering	Planning for Retirement

The Division of Technical and Adult Education, in co-operation with associations which represent business, industrial, personal service, and public utility groups, offers many special short courses such as the following:

Illinois Bankers School	School of Advanced Cosmetology
Hospital Managers and Accountants	Marine Financing
Restaurant Manager	School for Masters and Mates
Rural Electric Co-operatives	Transportation Sales

Other noncredit courses to meet the needs evidenced by local groups, local adult education planning committees, and association committees will be planned and offered by the Division of Technical and Adult Education upon request.

EDUCATIONAL PLANNING COMMITTEES

In many instances, adult education courses are developed through a co-operative plan with representatives from business, industry, and the professions. Representatives of this division and of the group which desires a course plan, organize, and activate the subjects to be offered, select the outstanding instructors, and decide meeting time and place.

A recent development has been the organization and planning of adult education courses in industrial management. These courses have been the result of co-operative planning with representatives from industry and this division. Representative courses are Practical Psychology for Supervisors, Industrial Report Writing, Quality Control, Labor Management Relations, Dielectric Heating, and Metallurgy.

TEACHING STAFF

The teaching staff in Adult Education is drawn from business, industry, the professions, and the University's academic units. All teaching assignments, which are made as the needs arise, are on a part-time basis.

Professors Isaac Brackett, Charles Clayton, George Hand, Frank Klingberg, Ralph Micken, William Westberg, Walter Wills. *Associate Professors* William Cundiff, Walter Elder, Scott Hinnens, William Horrall, William Nagel. *Assistant Professors* Ralph Bedwell, Howard Benson, Daniel Boza, Jason Collins, Charles Crookshank, Chester Johnston, Marjorie Jones (on leave), John McDermott, Howard Miller, James Robb, Raymond

Schultz. *Instructors* Mina Bennett, Jack Bizzel, James Harbison, Harold Moore, Harold Osborn, Lelan G. Traylor, Frank Vaughn, Arthur Workun.

Lecturers Austin C. Aldridge, Helen Allen, Julio Almeida, Robert L. Barker, Alma Bay-singer, Henrietta Becker, Barbara Benard, Robert A. Best, Ronald M. Beveridge, Russell G. Biekert, Kent Boeger, Harley Bradshaw, Alma Bremerman, Donna Sue Brown, Larnz Bruns, Dennis Butts, Kenneth Caraway, Helen Carruthers, Gladys Caveny, Carroll Chamness, Scott Courier, Milas M. Cozart, Charles Craig, Nelson Curtis, Lawrence Davis, Lois Davis, Robert Deere, Charles Doty, Stanley Durst, Larry Englebright, Alberta Fleming, Lynn Giltner, Jacob Goranflo, Lyman Greer, Thomas M. Gregory, Claude Grotts, Roger Gruen, Judith Hall, Morton Harris, Ray B. Hart, Edward E. Hawkins, Max Heinzman, Richard Heitholt, William Held, Russell Hewitt, Glendon C. Hodson, Nonnie Hoffee, Hazel Hornback, Robert B. Horrall, Harrell Howard, Birdie Hughes, Kenneth Hurt, Christine Hutchison, Marianne Icenogle, Florence Jaenke, Scesna James, James Jennings, Elizabeth Kelly, Dolores P. Klaus, Loris Lambert, R. Eugene Leasman, Charles Lerner, Enno Lietz, Carolyn Long, James Loy, Murrell J. Loy, Alvin H. Maeys, Jr., William E. Mahew, Philip Martin, Margot McAfoos, James McDaniel, Evalee McGee, Chester McMeen, Katharine Mendenhall, Derald A. Merriman, Josephine Miriani, Theresa Miriani, Roscoe Misselhorn, J. C. Mitchell, Madge Moore, Theodore Mueller, Duane Neet, Clarence Neumeyer, Patricia Nobbe, Russell Oakes, Dianne Over-ton, Eschol Perry, Eileen Peters, Charles Pinkerton, Ann Posgate, William Rademacher, Gilbert Ragsdale, Violet Renshaw, Helen Richey, Rita Ridgway, Richard Ritzheimer, Harold Robbins, Jane Rocconi, Ann Marie Rolando, John D. Rosetti, Margaret Rust, Frank Samuel, James Schmidt, Maurice Schmollinger, Wanda Schroeder, Venita Schwarm, Eugene Shaffer, James L. Shatzsall, Dale Smith, Evelyn Smith, Ada Songer, Ernest Sorgen, Anita Sparks, Hazel Stanley, Thomas Statler, John Steele, Louis Stivers, Dale Stretch, Genevieve Sutliff, J. B. Taylor, Clinton Telle, Aline Travelstead, Frank Tresso, Mary Grace Walker, Douglas Warford, Robert White, Joyce Wilson, Robert T. Woods, Zella Young.

Technical and Adult Education

(Edwardsville Campus)

THE DIVISION of Technical and Adult Education is represented on the Edwardsville Campus by the office of Industrial and Technical Programs. This office co-ordinates all noncredit courses and the associate degree program offered by the University in the area. Its purpose is to serve the needs of the community for educational programs for adults at the sub-baccalaureate level. Special attention is given the needs of industry and business though to a certain extent general adult education courses are provided upon demand.

ASSOCIATE DEGREE PROGRAM

The Associate in Business degree program on the Edwardsville Campus is designed for students who want to learn while they earn. It is possible to be fully employed during the day and to enroll in a four-year evening curriculum in the field of business with specialization in accounting, business administration, economics, or marketing.

Each candidate for the Associate in Business degree must complete a minimum of 96 hours of approved courses plus any deficiency requirements which are apparent when the adviser prepares the student's program.

The courses under this program may be counted toward a bachelor's degree, and the student may continue his studies and obtain a bachelor's degree if he meets the regular academic requirements.

All inquiries concerning admission to this program should be directed to the Registrar and Director of Admissions, Southern Illinois University, Edwardsville, Illinois. Application for admission and transcript of high school and previous college work should be received by the registrar at least thirty days in advance of the desired entrance date. Applications for admission may be submitted earlier if desired. Additional information concerning this program may be secured from the Business Division, Southern Illinois University, Alton, Illinois, or from Industrial and Technical Programs, Southern Illinois University, Edwardsville, Illinois.

TYPICAL ADULT EDUCATION PROGRAMS

INDUSTRIAL MANAGEMENT PROGRAM

Designed to give present and future foremen and supervisors some of the skills and information they need for improved job performance, this program of noncredit evening courses leads to the two-year certificate in industrial management. Successful completion of eight of the following courses is required. They are offered once each week for ten to twelve weeks.

Industrial Safety	Material Handling
Practical Psychology for Supervisors I and II	Quality Control for Foremen
Effective Speaking for Supervisors I and II	Basic Industrial Metallurgy I and II
The Supervisor and His Job	Industrial Engineering for Foremen
Labor-Management Relations	Motion Analysis and Time Study
Current Labor Law	Reading Improvement
Industrial Report Writing	Effective Management
Economics of Industry	Logic
Cost Control for Foremen	Illinois Labor Law
	Basic Supervision in the Meat Industry

IN-PLANT PROGRAM

On request from industry, courses from the industrial management program may be offered in-plant to accommodate foremen or supervisors who cannot attend the evening program because of shift work or other reasons. Special programs may be developed to meet the unique problems of a particular industry or present courses or programs may be adapted for presentation in-plant. Consultation and advice on the total training needs of plants is given on request.

In addition to adaptations of courses from the industrial management program, the following courses have been presented:

Creative Literature	Management Problems
Metallurgy of Steelmaking	Management Planning
Coaching and Counseling	Management Practices
Coaching for Staff Supervisors	Economic Background for Citizenship
Safety Programs	Speech Techniques
Safety Meeting Procedures	Foremen Development

TECHNICAL PROGRAMS

The traffic management program is a course of study whose purpose is to prepare candidates for the examinations leading to certification by the

American Society for Traffic and Transportation and for the Interstate Commerce Commission Practitioners examination.

Noncredit courses included in the program are:

Rates and Tariffs I, II

Interstate Commerce Law I, II

Credit courses included in the program are:

Management 170-4,

Government 210-4,

Marketing 230-5,

Economics 210-5,

General Studies Area A 211a-3,

Geography 211-5,

Management 340-4,

Marketing 341-4,

Marketing 451-4,

Introduction to Business Administration

American Government

Principles of Marketing

Principles of Economics

Economic Geography

Political Economy

Business Organization and Management

Transportation

Traffic Management

DEVELOPMENT PROGRAM FOR MIDDLE MANAGEMENT

This is a program for department heads, superintendents, general foremen, and the heads of small businesses which are production-oriented. These men meet for dinner once per week having a one-and-one-half-hour discussion with a recognized authority on a given subject before dinner and a different one after dinner. The subjects are grouped into four broad categories and are tied together by a co-ordinator into an integrated program. Categories are fundamentals of management, manpower management, business conditions and the manager, and administrative policy and procedure. Enrollment is limited.

MISCELLANEOUS SHORT COURSES

To meet special needs for adult education, additional courses are sometimes developed which cannot be classified as industrial management, in-plant, or technical.

One category of these miscellaneous programs is radio-television. The following subjects have been covered in this category.

Goals for Americans

WIBV, Belleville

Reading Improvement

WSIU-TV, Carbondale and KETC-TV, St. Louis

In addition, the Reading Improvement course has been taped for future presentation.

Workshops are arranged on occasion. The following are representative of the workshops presented in the past:

Junior Art Workshop

Waterworks Operators Workshop

Summer Theater Workshop

Home Helpers Workshop

Special purpose programs help organizations meet their specific needs. Usually these programs are specially developed for the unique requirements of individual organizations. Typical are:

- | | |
|---|---|
| One Day Conference for Small Business | Training Employees on the Job—City of Alton |
| One Day Conference on Coaching and Counseling | Parent-Child Relationships |
| Conference Leadership—League of Women Voters | Creative Selling |
| One Day Conference on Industrial Safety | Union Leadership—United Steel Workers |

TEACHING STAFF

The academic divisions of the University, business, industry, and the professions are sources for the teaching staff in Adult Education programs. All teaching assignments are made on a part-time basis as the needs arise.

Professors Cameron W. Meredith, William C. Westberg. *Associate Professors* Robert W. Duncan, Andrew J. Kochman, Gerald J. T. Runkle, Ann S. Schwier, Fremont A. Shull, Jr., H. Dene Southwood, Dimiter E. Wassen. *Assistant Professors* Ray C. Gwillim, Robert B. Hawkins, Charles Parish, Claude I. Shell, Clarence E. Vincent. *Instructors* Jerome M. Birdman, Evelyn Buddemeyer, Richard N. McKinney, Paul H. Phillips, Paul J. Skjerseth.

Lecturers Gilbert W. Anderson, Don M. Baird, Clarence A. Bester, J. Allan Blount, Herbert T. Bock, John F. Brennan, Edward K. Brenner, William D. Brunner, Eric Carlson, George A. Chandler, Charles Chapman, Michael J. Ebeling, Richard H. Elzy, George Ferguson, Sylvester J. Geolat, Edwin Gerling, William N. Grandy, Harold N. Hertenstein, William H. Higginbotham, Karl K. Hoagland, Edgar F. Hoffman, Marvin H. Hord, Roy M. Kennedy, Mervin Kohn, Louis T. Lanz, Ralph S. Long, Jr., Frank C. Mansfield, Frank L. Martini, Charles M. Mason, Robert S. Minsker, Loland K. Mocabee, J. Alvin Queen, William J. Randle, Wayne L. Rock, Franklin B. Rogers, Manford E. Ruby, Aldo E. Schnack, Sterling H. Schoen, Wallace D. Schoenbeck, Robert D. Stallard, John A. Strickland, Carl E. Upchurch, Earl F. Voelz, Carl Walther, Lester F. Wicks, H. Edmond Young, Stanley Young, Thomas Young.

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Southern Illinois University

Bulletin



Schedule of Classes

Summer

EDWARDSVILLE CAMPUS

1964

Objectives of Southern Illinois University

TO EXALT BEAUTY

IN GOD
IN NATURE
AND IN ART,
TEACHING HOW TO LOVE THE BEST
BUT TO KEEP THE HUMAN TOUCH

TO ADVANCE LEARNING

IN ALL LINES OF TRUTH
WHEREVER THEY MAY LEAD,
SHOWING HOW TO THINK
RATHER THAN WHAT TO THINK,
ASSISTING THE POWERS
OF THE MIND
IN THEIR SELF-DEVELOPMENT

TO FORWARD IDEAS AND IDEALS

IN OUR DEMOCRACY,
INSPIRING RESPECT FOR OTHERS
AS FOR OURSELVES,
EVER PROMOTING TRUTH
WITH RESPONSIBILITY

TO BECOME A CENTER OF ORDER AND LIGHT

THAT KNOWLEDGE MAY LEAD
TO UNDERSTANDING
AND UNDERSTANDING
TO WISDOM

Schedule of Classes

Summer Quarter, 1964

Edwardsville Campus



SOUTHERN ILLINOIS UNIVERSITY BULLETIN
Volume 6 Number 3 March, 1964
Second-class postage paid at Carbondale, Illinois.
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except June and July.

The following issues of the *Southern Illinois University Bulletin* may be obtained without charge from Central Publications, Southern Illinois University, Carbondale, Illinois 62903.

General Information
General Studies and AF ROTC
Summer Session (Carbondale)
Summer Session (Edwardsville)
Schedule of Classes (Carbondale)
Schedule of Classes (Edwardsville)
Divisional Announcements (Edwardsville)
Graduate School
College of Education
College of Liberal Arts and Sciences
School of Agriculture
School of Business
School of Communications
School of Fine Arts
School of Home Economics
School of Technology
Division of Technical and Adult Education

All intending students should have the General Information bulletin (issued once a year), plus the special bulletins of the various educational units in which they are most interested.

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University Calendar, 1964-1965

1964 SUMMER SESSION

Session Begins	Monday, June 15
Independence Day Holiday	Friday, July 3
Final Examinations (8-Week Session)	Wednesday–Thursday, August 5–6
Summer Commencement	Friday, August 7
Final Examinations (Summer Quarter)	Monday–Saturday, August 24–29

1964 FALL QUARTER

New Student Week	Sunday–Tuesday, September 20–22
Quarter Begins	Wednesday, September 23
Thanksgiving Vacation	Wednesday, 12 Noon–Monday, 8 A.M. November 25–30
Final Examinations	Monday–Saturday, December 14–19

1965 WINTER QUARTER

Quarter Begins	Monday, January 4
Final Examinations	Monday–Saturday, March 15–20

1965 SPRING QUARTER

Quarter Begins	Monday, March 29
Memorial Day Holiday	Monday, May 31
Final Examinations	Wednesday–Tuesday, June 9–15
Commencement (Carbondale)	Wednesday, June 16
Commencement (Edwardsville)	Thursday, June 17

Classes begin on the second day of the quarter, except that the evening classes (5:45 P.M. or later) on the Carbondale Campus begin on the first night of the quarter.

This Bulletin

contains the schedule of summer classes to be offered by the Edwardsville Campus at the Alton and East St. Louis Centers, beginning June 15, 1964. It also provides the student with information relative to advisement and registration, fees, registration calendar, and allied information. For additional information about the University and the Edwardsville Campus, the prospective student should refer to the General Information bulletin and the Divisional Announcements bulletin.

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Registration Calendar

Summer Quarter, 1964

May 4-8	Registration for classes at Alton and East St. Louis. (8:30-11:30 A.M., 1:30-4:00 P.M., 5:00-7:00 P.M.) Fees are payable at the time of registration.
May 11-15	Registration for classes at Alton and East St. Louis. (8:30-11:30 A.M., 1:30-4:30 P.M.) Fees are payable at the time of registration.
June 15	Registration for classes at Alton and East St. Louis. (8:00 A.M.-8:00 P.M.) Fees are payable at the time of registration.
June 16	Classes start 7:00 A.M.
June 17	Program change day—last day to add classes. 9:00 A.M.-12:00 Noon 1:00 P.M.- 4:30 P.M. 6:00 P.M.- 8:00 P.M.
June 26	Last day to withdraw from school to be eligible for a refund of fees. Refund applications should be submitted to the Registrar's Office by <i>June 27</i> .
July 3	Independence Day Holiday.
July 7	Last day to withdraw from eight-week courses without receiving a letter grade.
July 14	Last day to withdraw from summer quarter courses without receiving a letter grade.
July 20	Last day for withdrawal from school (eight-week session) except under exceptional conditions.
August 5-6	Final examinations for eight-week session.
August 7	Commencement (Carbondale Campus)
August 10	Last day for withdrawal from school (twelve-week quarter) except under exceptional conditions.
August 24-29	Final examinations for summer quarter.

General Information

THE EDWARDSVILLE CAMPUS of Southern Illinois University has scheduled a summer quarter, June 15 to August 29 and an eight-week summer session, June 15 to August 7.

Students may enroll for classes in either the eight-week session, the summer quarter, or a combination of both in accordance with regular academic load policy.

The Edwardsville Campus offers courses leading toward associate's, bachelor's, and master's degrees in selected fields.

A variety of course offerings have been scheduled to meet the specific needs of (1) teachers in service, (2) freshmen—beginning and refresher courses, (3) upperclassmen—basic requirements, (4) graduate students, and (5) liberal arts graduates and individuals on temporary certificates desiring teacher certification.

Anyone interested in complete general information about the University should obtain a copy of the General Information issue of the *Southern Illinois University Bulletin*, available free from Central Publications, Southern Illinois University, Carbondale, Illinois 62903.

ADMISSION

Application for admission to the summer session should be initiated with the Admissions Office on or before June 1 to permit all necessary processing work to be completed by the start of the session. A general admission requirement is the filing of a transcript of record covering all previous high school and college work. Transcripts should be mailed to the Admissions Office from the institution(s) attended and should reach the Admissions Office prior to June 8, 1964.

Complete information relative to admission of undergraduate students appears in the General Information issue of the *Southern Illinois University Bulletin*. Graduate students should refer to the Graduate School issue.

ITEMS APPLICABLE TO THE SUMMER ONLY

An undergraduate student attending another institution who expects to graduate therefrom and who desires to attend Southern during the summer only will be admitted as an unclassified student on the basis of a letter of good standing from the registrar of the institution the student is attending. The letter of good standing should be sent directly to the Admissions Office in Edwardsville and must be received prior to registration. *The unclassified student's application should be submitted to the Admissions Office by June 1, 1964.* A high school senior who ranks in the lowest third (lower 60 percentiles for out-of-state students) of his graduating class who is permitted to enter (on scholastic probation) for the summer quarter must register for more than eight hours in order to continue in attendance during the fall quarter and must earn a *C* average or above during the summer quarter.

CURRENT STUDENTS, CARBONDALE CAMPUS

A student attending the Carbondale Campus spring quarter who plans to attend the Edwardsville Campus during the 1964 summer session must initiate his registration process by contacting the Admissions Office at Edwardsville.

SOCIAL SECURITY NUMBER

Effective with the 1964 summer session, a student seeking admission to the University will need to present a social security number for identification purposes. Any local social security office can provide assistance in obtaining a number or replacing a lost card. At Alton the social security office is in the Germania Savings Building, 543 East Broadway, and at East St. Louis the office is at 435 Missouri Avenue.

REQUIRED TESTS

Each student entering Southern Illinois University directly from high school is required to furnish to the University scores on the test battery administered by the American College Testing Program (A.C.T). These tests are given at regional test centers throughout the United States in November, February, and April. Information and application blanks are normally available through the high school guidance director or principal,

or may be obtained by writing directly to: American College Testing Program, Box 168, Iowa City, Iowa.

A student who finds it impossible to take the A.C.T. tests may have scores from the College Entrance Examination Board (C.E.E.B.) submitted. The specific scores, which must be submitted if the C.E.E.B. tests are submitted, are Scholastic Aptitude Test, English Composition Test, and Mathematics (Intermediate) Test. In order to have identical test data, a student who submits C.E.E.B. test data will be required to submit scores from the A.C.T. no later than one month after registration.

Transfer students are required to furnish A.C.T. scores to the Student Counseling and Testing Center. (A transcript of these scores is available by sending one dollar and a written request to the American College Testing Program in Iowa City.) If the scores are on file at the student's former school, a request should be made for their forwarding. Test scores are not normally sent with a person's transcript of grades and must be requested separately from the appropriate office at the former school. If the A.C.T. tests have not been taken, arrangements to do so should be made.

REGISTRATION

Students registering during May 4-15 will report to the Registrar's Office at the center they plan to attend to pick up authorization-to-register permits. On June 15, students registering at Alton will report to the Auditorium building to pick up authorization-to-register permits. Students registering at East St. Louis will report to the west (9th Street) door of the main building for authorization-to-register permits.

Students who know that they must miss more than three days of the eight-week session should not register, because it is difficult for students missing more than three days to complete the required work in time.

ACADEMIC LOAD

The normal academic load for the eight-week session is 10 to 12 hours of credit. A student with special needs may, by permission of the chief academic adviser of the center or by the head of his division, take a maximum of 14 hours. A student on probation may not register for more than 10 hours. A student is considered a full-time student during the eight-week session if he carries 8 or more hours.

The normal student load for the summer quarter is 16 hours. Except by permission of the chief academic adviser of the center or by the head of his division, no student may enroll for more than 18 hours of credit per quarter. A student is considered a full-time student during the summer quarter if he carries 12 or more quarter hours.

FEES

An Illinois undergraduate student taking more than 8 hours pays the following fees each quarter.

Tuition	\$42.00 *
Student Activity Fee	9.50
University Center Fee	5.00
Book Rental Fee (Undergraduates only)	5.00
	<hr/> \$61.50

* Out-of-state students pay an additional \$50.00.

A student taking 8 hours or fewer pays half tuition and book rental fee, full university center fee, and has an option on paying the student activity fee. Once an option has been made at the time of registration as to whether or not to pay the activity fee, such option is irrevocable.

Other special fees or deposits as listed in the General Information bulletin will be assessed when applicable.

Students attending under state teacher-education, military, or general-assembly scholarships are required to pay the university center fee and the book rental fee. Veterans attending under Public Laws 16 and 894 are not required to pay any of the regular fees. Students attending under Public Law 550 are required to pay fees, both regular and special, and may not use military scholarships for waiving payment of any fees.

PROGRAM CHANGES

Mere attendance does not constitute registration in a class, nor will attendance in a class for which a student is not registered be a basis for asking that a program change be approved permitting registration in that class. A student is officially registered only for those courses appearing on his registration cards. Any change therefrom can be made only after fees are paid and must be made through an official program change. A student is considered officially registered after he has cleared his payment of fees at the Bursar's Office.

A program change must be made in order to drop or add a course. A student may not drop a course merely by stopping attendance. If a student desires to drop a course during the second, third, or fourth week of a quarter, the change will be approved only when the reasons appear valid. If a student desires to drop a course after the fourth week, the change will be approved only under unusual conditions. In the last three weeks changes will be approved only in extreme emergencies.

A student desiring to make a program change must initiate his request at the Enrollment Center of the Registrar's Office (starting the sec-

ond week of the quarter an evening student may initiate his request at the General Office). He is required to present his fee receipt program card and must complete the following procedure. After having been cleared with the Enrollment Center, program changes for which a program change fee is assessed must be presented to the Business Office for payment. The student immediately returns the program change to the Enrollment Center in the Registrar's Office for final processing. *A student has not completed his program change until he presents it to the Enrollment Center.* No change is official until the preceding procedure is complete.

A program change day is listed in the registration calendar.

WITHDRAWAL FROM SCHOOL

A student who finds it necessary to withdraw from school while the quarter is in progress must report to the Enrollment Center in the Registrar's Office to initiate official withdrawal action (starting the second week of the quarter an evening student may report to the General Office to initiate official withdrawal action). No withdrawal will be permitted during the last two weeks of a quarter except under exceptional conditions. A refunding of fees is permitted only if a withdrawal is officially completed within the first two weeks of a quarter and if the application for a refund is received in the Registrar's Office by June 27, 1964. See the registration calendar for specific dates concerning withdrawal and refunding of fees.

VETERANS' INFORMATION

The Edwardsville Campus is approved for veterans. Veterans eligible for benefits under the G.I. Bill should contact the University veterans' adviser during registration periods. Public Law 550 expires in 1965. War orphans should discuss Public Law 634 benefits with the veterans' adviser.

To be eligible for Public Law 550 benefits, the veteran must be fully admitted and enrolled as a regular classified student making satisfactory progress in a degree program.

VETERANS' SIGN-UP PERIOD

Veterans eligible for benefits will sign a monthly attendance certification on the following dates at the Registrar's Office in Alton or East St. Louis.

<i>Period</i>	<i>Date</i>	<i>Time</i>
June 15 to June 30	June 30	9:00 A.M.-12 NOON, 1-4:30 P.M.
July 1 to July 31	July 31	9:00 A.M.-12 NOON, 1-4:30 P.M.
August 1 to August 6	August 6	9:00 A.M.-12 NOON, 1-4:30 P.M.
August 1 to August 29	August 28	9:00 A.M.-12 NOON, 1-4:30 P.M.

Checks for the summer session should not be expected before mid-September. Veterans who fail to sign on the specified date will probably experience delay in receiving the check for that period.

STUDENT RESPONSIBILITY

Each student must assume responsibility for his progress by keeping an up-to-date record of the courses he has taken and by checking periodically with his adviser and the Registrar's Office. Responsibility for errors in program or in interpretation of regulations of the University rests entirely with the student.

GRADUATION

Each student planning to graduate at the summer commencement must apply for graduation at the time of registration for summer classes. All applications for graduation must be received by June 22, 1964, by the Office of the Registrar.

STUDENT EMPLOYMENT

Students interested in part-time employment on campus during the summer should make early application to the office of Student Employment, Southern Illinois University, Alton, Illinois, or East St. Louis, Illinois.

WORKSHOPS

National Science Foundation Mathematics Institute July 6–August 21. Registration will be held on the first day of class. This seven-week institute for high school teachers has been planned specifically to meet the subject-matter needs of teachers who have been out of college for a number of years. Each teacher may take courses giving 10 hours of credit in mathematics that count toward the Master of Science in Education degree.

In addition to the regular activities of the institute, a series of lectures brings noted speakers from both Europe and the United States before the teachers attending. Other instructors will be Clellie C. Oursler, Eric A. Sturley, and Lloyd K. Williams of the mathematics faculty. Anyone interested in taking courses in the institute should contact Professor Robert N. Pendergrass, director of the institute.

Workshop in Intergroup Relations (Sociology 388-3) June 16–26, East St. Louis, Monday through Friday, 1:00–6:00 P.M. The course offers

theoretical and practical understanding of cultural, social, and psychological factors associated with intergroup tensions. Students concentrate their efforts on problem-solving activities related to their occupational, professional, or civic interests. Resource and consultative staff from the academic areas of education, psychology, sociology, and social work are utilized. The course should be particularly valuable for the staffs of health and welfare agencies and for community leaders. Dr. Elliott M. Rudwick will conduct the workshop.

Oxford Summer Seminar and Travel June 17–August 27. For four weeks the group from Southern Illinois University will study at Oxford, one of the world's oldest universities, founded in the 12th century. Lectures will cover many aspects of modern Britain: history, government, economic life, social services, the arts, and literature. The students will divide into four or five different seminars or discussion groups for studying particular aspects of modern British life.

Undergraduates may earn 6 hours for a third-level General Studies course in the social studies area and 3 hours for a third-level General Studies course in humanities in modern British literature. Graduate students may earn credit toward a major in the social sciences or English.

Nearly two weeks of travel before the group settles at Oxford will afford delights for those who look forward to seeing towns and countryside famed in history and literature. It will present a living picture of the modern Britain which the students will read and hear about in the academic part of their summer program. After completing its studies, the group is scheduled to cross to Amsterdam and then visit Berlin, Bavaria, Austria, Venice, Rome, Riviera, Switzerland, and Paris.

For further information, students should contact Professor James Benziger, Department of English, and Professor Douglas L. Rennie, Department of Sociology, at Carbondale.

Survey Course in Marriage Counseling (Sociology 484-4) June 16–July 2, East St. Louis Center, Monday through Thursday, 6:00–10:00 P.M. This workshop consists of lectures, case discussions, and personal supervision of case analyses. Clinical hours or appointments for supervised case analyses will be arranged.

Persons enrolling should be actively engaged in counseling or preparing to do counseling as a part of their professional practice. An effort will be made to select representatives from various professions such as physicians, clergymen, educators, social workers, guidance personnel, and attorneys. Dr. Donald L. Taylor, professor of sociology, is director of the workshop.

Dual Workshop in High School and Junior High School English (English

486-4, 487-4) June 16-August 6, East St. Louis Center, Monday through Thursday, 10:00-12:00, 1:30-2:30 P.M.

The workshop for English teachers and upper-class English majors will focus on linguistic concepts and their application to classroom instructional problems.

Registrants will spend the first six weeks in study and in planning and the last two weeks in conferences on procedure. The daily program during the first six weeks will follow this pattern: A lecturer will discuss an aspect of the structure of current English during the first hour. In the second morning hour the participants will apply the lecture materials to a body of English prose. In the afternoon the participants and the workshop staff will join forces to devise instructional materials using the same concepts introduced during the morning. The final two weeks will be used for conferences by appointment.

The workshop will enable participants to (1) become more aware of the English language as a proper field of study in itself; (2) learn the basic methods and assumptions of language study as reflected in three different approaches to English grammar, syntax, and usage; (3) develop ways to apply this new knowledge to the specific needs of a given group of their own students; and (4) determine the kinds of linguistic projects that can be carried on effectively between the English faculty of Southern Illinois University and the English faculties of the participating schools.

Dr. Gordon R. Wood, assisted by Dr. Bryce Van Syoc, members of the English faculty, Humanities Division, will direct and staff the workshop.

Schedule of Classes

THE FOLLOWING MATERIAL may be of value in interpreting the information appearing in the schedule.

LISTING OF COURSES

Courses are listed numerically within each subject-matter area. Areas in which courses are listed for the 1963 summer session appear below in the order of their appearance in the schedule.

SUBJECT AREA	DIVISION
General Studies (GSA), (GSB), (GSC), (GSD), (GSE)	
Accounting (ACCT)	Business
Anthropology (ANTH)	Social Sciences
Art (ART)	Fine Arts
Botany (BOT)	Science & Technology
Business Education (BSED)	Business
Chemistry (CHEM)	Science and Technology
Comparative Literature (C LT)	Humanities
Economics (ECON)	Business
Education	Education
Administration (EDAD)	Education
Elementary (EDEL)	Education
Secondary (ED S)	Education
Special (SP E)	Education
English (ENG)	Humanities
Foreign Languages	Humanities
German (GER)	Humanities
German (GER)	Humanities
Geography (GEOG)	Social Sciences
Government (GOVT)	Social Sciences
Guidance (GUID)	Education
Health Education (H ED)	Education
History (HIST)	Social Sciences
Instructional Materials (I M)	Education
Management (MGT)	Business

Marketing	(MKTG).....	Business
Mathematics	(MATH).....	Science and Technology
Music	(MUS).....	Fine Arts
Nursing	(NURS).....	Nursing
Physical Education—Men	(PEM).....	Education
Physical Education—Women	(PEW).....	Education
Physics	(PHYS).....	Science and Technology
Psychology	(PSYC).....	Education
Sociology	(SOC).....	Social Sciences
Speech	(SPCH).....	Fine Arts
Zoology	(ZOOL).....	Science and Technology

COURSE NUMBER AND HOURS

The column containing this information shows the number of the course first, followed by the number of hours of credit. Course numbers are three digit numbers. In some cases the three digits may be followed by a letter which is also part of the course number. The number appearing after the hyphen denotes the hours of credit for the course. In some cases there may be more than one number following the course number such as 599-2 to 5. This represents a variable-hour course in which the student, in consultation with his adviser, decides the number of hours for which he is going to register.

The course numbering system is as follows:

- 000-099 Courses not properly falling in the following categories
- 100-199 For freshmen
- 200-299 For sophomores
- 300-399 For juniors and seniors
- 400-499 For seniors and graduate students
- 500-600 For graduate students only

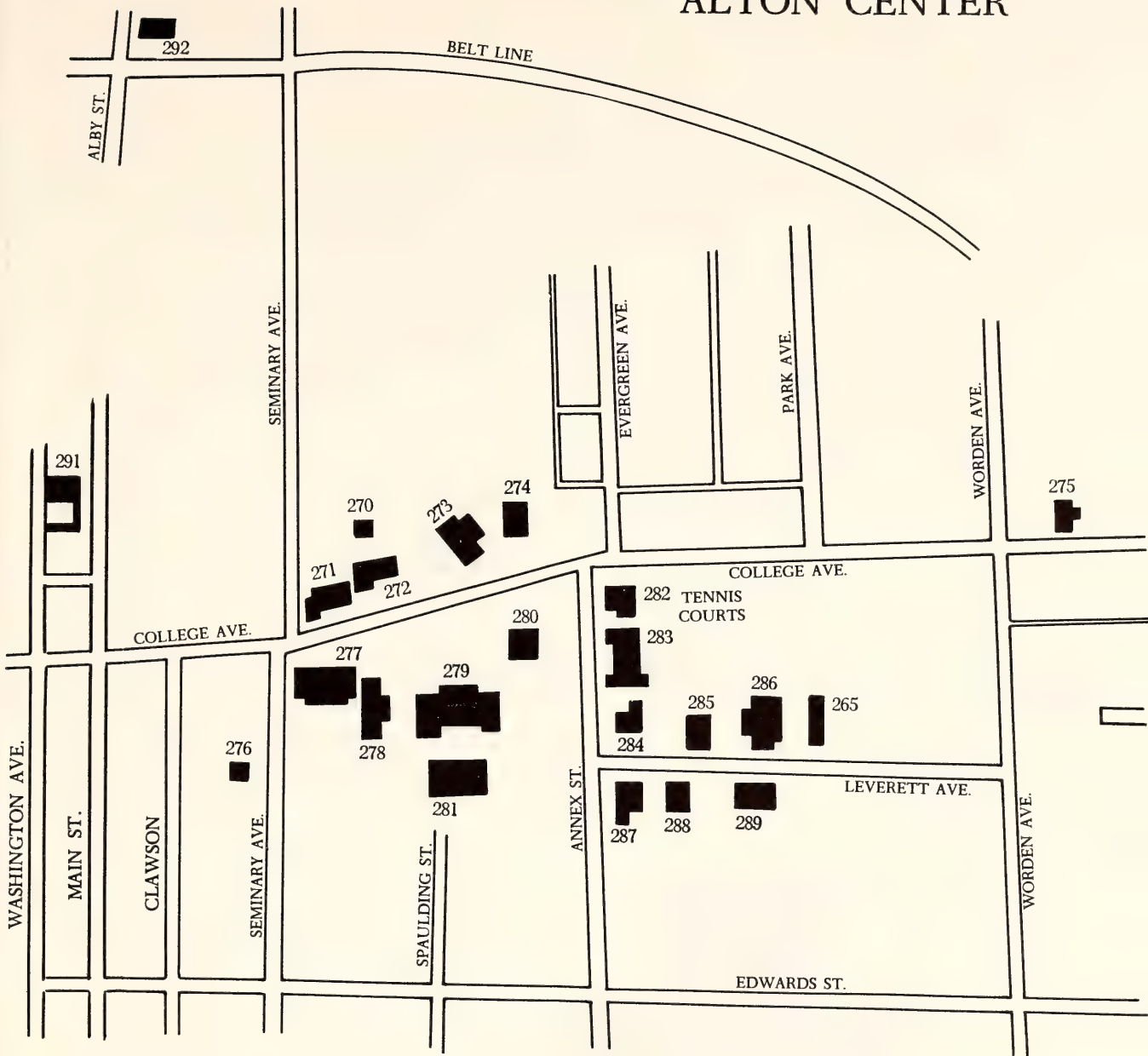
PREREQUISITES

Because of changes in course numbering, a student should determine prerequisites by consulting the Divisional Announcements bulletin.

COURSES "TO BE ARRANGED"

Students registering for courses listed as "Arranged" should consult the instructor indicated, or the head of the division if no instructor is listed, to determine time and place of meeting.

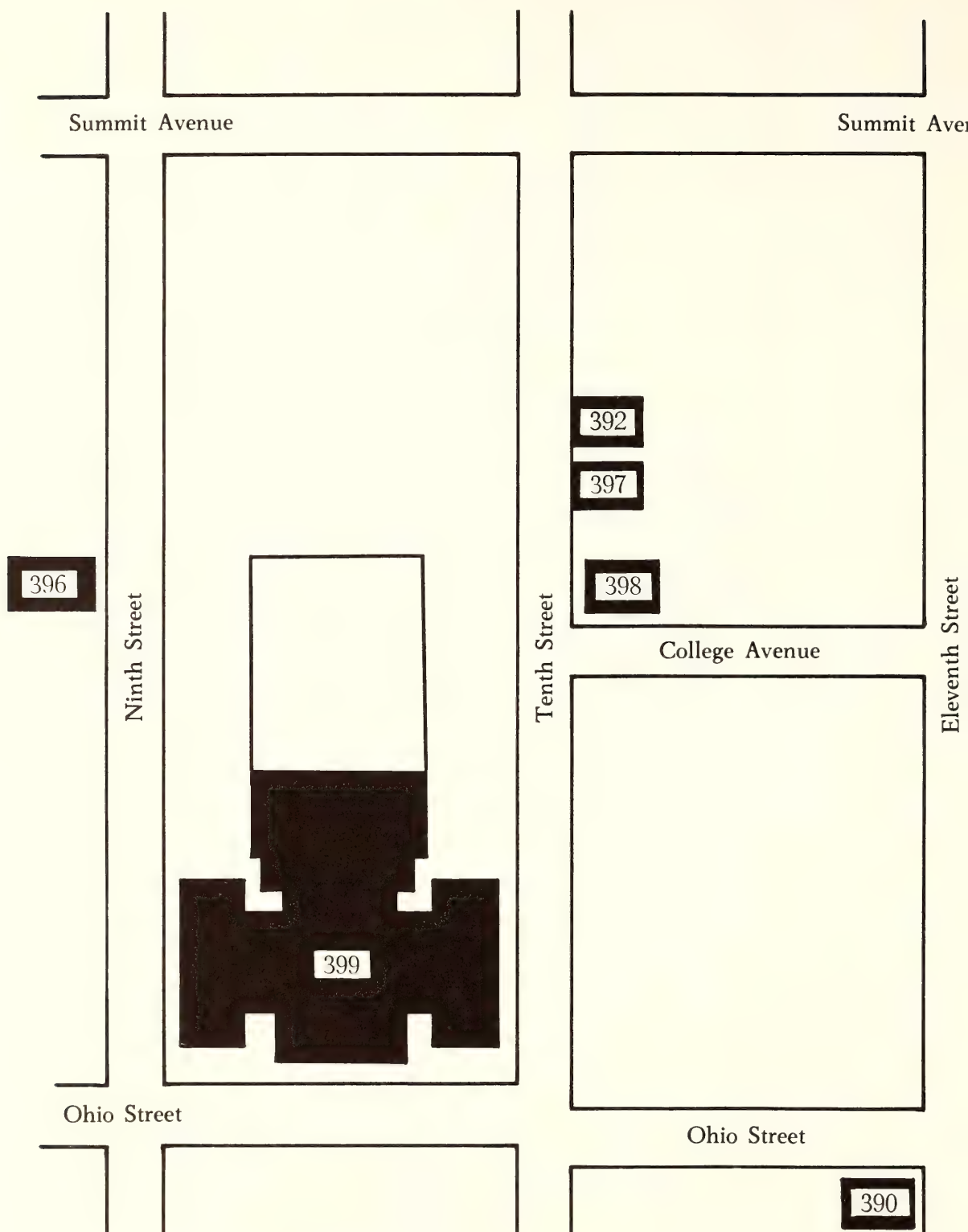
ALTON CENTER



283 ANA Annex A
 282 ANB Annex B
 280 AUD Auditorium
 278 FAA Fine Arts A
 284 FAB Fine Arts B
 274 FAC Fine Arts C
 281 GYM Gymnasium
 285 HUM Humanities
 276 LL Language Laboratory
 279 SCI Science
 288 SS Social Sciences
 287 S&T Science & Technology
 273 SU Student Union
 286 Administration
 272 Book Store
 271 Business Office

292 BY Brick Yard Building, Madison County Mental Health Clinic
 289 Business Faculty Offices
 286 Division Heads' Office
 275 Education
 286 General Office
 265 Graduate Advisement Office
 273 Health Service
 277 Library
 273 Placement Service
 291 Radio-Television Studio
 271 Registrar's Office
 270 Storage
 273 Student Affairs Office
 273 Student Employment

EAST ST. LOUIS CENTER



390 Faculty Offices
 392 Division Heads
 396 Faculty Offices

397 Nurse's Training and Cartography
 398 Faculty Offices
 399 Main Building

EXPLANATION OF ENTRIES

The entry for each course is arranged as follows:

First Line: The course's identification number is followed by the number of quarter hours of credit and the descriptive title. A dotted line separates the title from the prerequisite, which appears at the right-hand end of the first line and sometimes continues to the second line.
Second Line: Special registration information, explanations, or any other remarks about the course appear on the second line. Sometimes the second line is not used.
Section-Number Lines: The first column lists the section numbers for classes offered at Alton; the second lists sections offered at East St. Louis. Following each section number are the time the class begins (between 7:00 A.M. and 4:20 P.M. for daytime classes) and the time it ends. Each evening class is indicated by the letter *E* prefixed to its section number. The days on which the class meets, the place where it meets, and the instructor's last name complete the entry.

Course No. & Hours		Descriptive Title				
Alton	E. St. Louis	Time	Days		Place	Instructor

GENERAL STUDIES AREA A—MAN'S PHYSICAL ENVIRONMENT AND BIOLOGICAL INHERITANCE (GSA)

101a-3 Introduction to Physical Sciences						
Student enrolls in lecture and one lab.						
Lect		9:00-9:50	M	WTh	SCI 200	Zurheide
Lab 1		7:00-8:50	Tu		SCI 007	Zurheide
Lab 2		9:00-10:50	Tu		SCI 007	Zurheide
	Lect	9:00-9:50	MTu	Th	103	Zimmerman
	Lab 51	7:00-8:50	W		124	Zimmerman
	52	9:00-10:50	W		124	Zimmerman
101c-3 Introduction to Physical Sciences						
Student enrolls in both lecture and lab.						
Lect		11:00-11:50	M	Th	SCI 003	Bardolph
Lab 1		11:00-12:50	Tu		SCI 205	Bardolph
	Lect	2:00-2:50	Tu	Th	124A	Probst
	Lab 51	3:00-4:50	Tu		125	Probst
200-3 Earth Science						
Student enrolls in both lecture and lab.						
Lect		8:00-8:50	MTu		ANA 110	Vogel
Lab 1		7:00-8:50	W		ANA 110	Vogel
	Lect	8:00-8:50	MTu		124A	Guffy
	Lab 51	7:00-8:50	W		397-001	Guffy
201a-3 Man's Biological Inheritance						
Student enrolls in lecture and one lab.						
Lect		6:20-7:10	Tu	Th	SCI 103	staff
Lab 1		7:20-9:10	Tu		SCI 111	staff
Lab 2		7:20-9:10		Th	SCI 111	staff
356-3 Astronomy						
1		1:00-2:15	Tu	Th	SCI 003	McAneny

GENERAL STUDIES AREA B—MAN'S SOCIAL INHERITANCE AND SOCIAL RESPONSIBILITIES (GSB)

101a-3 Introduction to Western Tradition						
1		9:00-9:50	M	WTh	ANA 104	Kazeck

Course No. & Hours		Descriptive Title	Days		Place	Instructor
Alton	E. St. Louis	Time				
101a-3	Introduction to Western Tradition					
	E2	8:00-9:15	M	W	AUD 200	Vogel
	51	9:00-9:50	M	WTh	204	Guffy
101b-3	Introduction to Western Tradition					
	1	1:00-1:50	MTu	Th	SCI 200	Reames
	51	10:00-10:50	M	WTh	205	Haas
101c-3	Introduction to Western Tradition					
	1	9:00-9:50	MTu	Th	ANA 110	Reames
	51	1:00-1:50	M	WTh	205	Haas
201a-3	Culture, Society, and Behavior					
	1	12:00-12:50	M	WTh	SCI 200	Snaden
	51	2:00-2:50	M	WTh	205	Snaden
201b-3	Culture, Society, and Behavior					
	1	9:00-9:50	MTu	Th	AUD 200	Campbell
	E51	5:10-7:50	W		105	Seymour
211a-3	Political Economy I					
	1	8:00-8:50	M	WTh	AUD 200	Van Dahm
	51	8:00-8:50	MTu	Th	203	staff
	E52	5:30-8:10	Th		220	staff
331-3	The American Educational Systems					
	1	9:00-9:50	MTu	Th	ANB 201	Carpenter
	51	8:00-8:50	MTu	Th	105	Kelley
354-3	Industrial Economic Geography					
	1	10:00-10:50	MTuW		ANA 110	Kazeck
	E51	8:00-9:15	Tu	Th	103	Mookerjee

GENERAL STUDIES AREA C—MAN'S INSIGHTS AND APPRECIATIONS (GSC)

100-3	Music Understanding						
	1	10:00–10:50	M	W	F	FAC 203	Fjerstad
	51	9:00–9:50	M	W	F	212	Van Camp
101-3	Art Appreciation						
	1	8:00–9:15	Tu Th		FAA 104	Buddemeyer	
	2	12:00–12:50	M	WTh	FAA 104	Howerton	
	51	2:00–3:15	Tu Th		221	Milovich	
151-3	Introduction to Poetry						
	1	8:00–8:50	MTu	F		AUD 101	Joost
	E51	8:20–9:35	M	W		221	Graham
152-3	Logic						
	1	11:00–11:50	M	W	F	AUD 101	Shea
	51	9:00–9:50	M	W	F	221	Linden
251a-3	Literary & Philosophical Masterpieces						
	1	8:00–8:50	M	W	F	AUD 102	Ades
	E2	6:20–7:35	Tu Th		AUD 101	Murphy	
	51	8:00–8:50	M	W	F	220	Murdoch
	E52	6:20–7:35	Tu Th		224	Linden	

GENERAL STUDIES AREA D—ORGANIZATION AND COMMUNICATION OF IDEAS (GSD)

101a-3	English	Composition				
	1	7:00-7:50	MTu	ThF	AUD 102	Slattery
	E2	6:20-8:10	Tu	Th	AUD 102	Slattery
	51	10:00-10:50	MTu	ThF	221	Murdoch
	E52	6:20-8:10	M	W	221	Slattery
101b-3	English	Composition				
	1	12:00-12:50	MTu	ThF	AUD 102	Taylor (Marion)

Course No. & Hours		Descriptive Title	Days		Place	Instructor
Alton	E. St. Louis	Time				
	51	8:00-8:50	MTu	ThF	221	Hornback
103-3	Oral Communication of Ideas					
	1	8:00-8:50	M	W F	ANB 103	Smith
	2	9:00-9:50	M	W F	ANA 101	Smith
	E3	6:20-7:35	M	W	ANB 103	Robinson
	51	9:00-9:50	M	W F	124A	Lyle
	52	10:00-10:50	M	W F	103	Lyle
	E53	6:20-7:35	Tu	Th	103	Robinson
114a-3	College Algebra					
	1	8:00-8:50	M	W F	ANB 102	Goering
	51	11:00-11:50	M	WTh	220	Fanning
155a-3	Introduction to Mathematics					
	1	11:00-11:50	MTu	Th	SCI 201	Gwillim
	51	11:00-12:15	M	W	204	English
155c-3	Introduction to Mathematics					
	1	10:00-10:50	M	W F	SCI 200	Phillips

GENERAL STUDIES AREA E—HEALTH AND PHYSICAL DEVELOPMENT (GSE)

201-3	Healthful Living					
	1	11:00-11:50	MTu	Th	ANA 104	Spear
	E2	5:30-8:10	M		AUD 100	Moehn
	51	9:00-9:50	MTu	Th	115	Klein
	E52	5:30-8:10	Tu		105	Moehn

ACCOUNTING (ACCT)

251a-4	Elementary Accounting I					
	1	9:00-9:50	MTuWTh		ANA 101	Milles
	E2	8:20-10:10	Tu	Th	ANA 100	Bedel
	51	11:00-11:50	MTuWTh		222	Small
	E52	8:20-10:10	Tu	Th	204	Davison
251c-4	Elementary Accounting III					
	E1	6:20-8:10	Tu	Th	ANA 100	Bedel
	E51	6:20-8:10	M	W	124A	Small
355-3	Governmental Accounting					
	E1	5:30-8:10		Th	ANA 108	Milles
458-4	Accounting Systems					
	E51	8:20-10:10	M	W	124A	Small

ART (ART)

203a,b-4	Beginning Ceramics					
	1	10:00-11:50	MTuWTh		Gym 005	Howerton
300a-4	Art Education					
	51	4:20-7:00	Tu	Th	214	Milovich
300b-4	Art Education					
	1	4:20-7:00	Tu	Th	FAA 203	Buddemeyer
310a,b,c-4	Oil Painting					
	1	10:00-11:50	MTuWTh		FAA 202	Huntley
325a,b,c-4	Studio					
	1	1:00-2:50	MTuWTh		FAA 202	Huntley

BOTANY (BOT)

101-5	General Botany					
	Student enrolls in both lecture and lab.					
	Lect	9:00-10:15	Tu	Th	112	Davis
	Lab 51	7:00-8:50	M	W	116	Davis
	Lab 52	9:00-10:50	M	W	116	Davis

Course No. & Hours	Descriptive Title	Alton	E. St. Louis	Time	Days	Place	Instructor
202-5	General Botany						
	Student enrolls in both lecture and lab.						
	Lect			11:00-12:15	Tu Th	112	Davis
	Lab 51			11:00-12:50	M W	116	Davis

BUSINESS EDUCATION (BSED)

341-4	Office Machines						
	E1			6:20-8:10	Tu Th	ANA 111 & ANA 103	Brady
406-4	Teaching Clerical Practice and Office Machines						
	1			† 9:00-10:25	MTuWTh	ANA 111 & ANA 103	Brady
506-4	Principles and Problems of Business Education						
	1			† 11:00-12:25	MTuWTh	S&T 102	Brady

CHEMISTRY (CHEM)

111a-5	Chemical Principles and Inorganic Chemistry						
	Student enrolls in both lecture and lab.						
	Lect			8:00-8:50	M WThF	SCI 003	Bardolph
	Lab 1			8:00-10:50	Tu	SCI 205	Bardolph
	Lect			12:00-12:50	MTuWTh	124A	Stallard
	Lab 51			1:00-3:50	W	125	Stallard
111c-5	Chemical Principles and Inorganic Chemistry						
	Student enrolls in both lecture and lab.						
	Lect			9:00-10:15	M Th	SCI 003	Bardolph
	Lab 1			9:00-11:50	W F	SCI 205	Bardolph
	Lect			6:00-7:15	Tu Th	124A	Probst
	Lab E51			7:15-10:15	Tu Th	125	Probst

COMPARATIVE LITERATURE (C LT)

399-4	Traditional Themes of World Literature						
	1			10:00-10:50	MTuW F	AUD 101	Guenther

ECONOMICS (ECON)

210-5	Principles of Economics						
	1			12:00-12:50	MTuWThF	ANA 104	Van Dahm
	E2			5:55-8:10	M W	ANA 104	Schwier
	51			9:00-9:50	MTuWThF	205A	Luan
307-4	Economic and Business Statistics I						
	1			11:00-11:50	MTuWThF	S&T 101	Schwier
	E51			5:55-8:10	M W	204	Luan
315-4	Money and Banking I						
	E1			8:20-10:10	Tu Th	ANA 101	Van Dahm
	E51			8:20-10:10	M W	204	Luan
490-4	Workshop in Economic Education						
	1			† 1:00-2:25	MTuWTh	ANA 100	Schwier

EDUCATION—ADMINISTRATION (EDAD)

355-4	Philosophy of Education						
	1			3:00-3:50	MTuWTh	ANB 201	Southwood
	51			10:00-10:50	MTuWTh	205A	Hileman
420-4	Legal Basis of American Education						
	1			† 11:00-12:25	MTuWTh	ANB 201	Smith
424-4	School Administration						
	1			† 1:00-2:25	MTuWTh	AUD 101	Wheat
431-4	History of Education in the United States						
	1			† 1:00-2:25	MTuWTh	AUD 100	Southwood

Course No. & Hours		Descriptive Title		Days	Place	Instructor
Alton	E. St. Louis	Time				
456-4	School Supervision					
	51	† 3:00-4:25	MTuWTh	105	Jung	
500-4	Research Methods					
	1	† 9:00-10:25	MTuWTh	AUD 200	Steinkellner	
533-4	School Buildings					
	1	† 9:00-10:25	MTuWTh	ANA 100	Wilkins	
534-4	School Finance					
	1	† 7:00-8:25	MTuWTh	ANA 100	Wilkins	
554-4	Contrasting Philosophies of Education					
	1	† 11:00-12:25	MTuWTh	ANA 100	Wheat	
556-4	Seminar in Educational Supervision					
	1	† 3:00-4:25	MTuWTh	ANB 102	Smith	
See GSB 331 for the American Educational System						

EDUCATION—ELEMENTARY (EDEL)

313-4	Children's Literature					
	51	9:00-9:50	MTuWTh	105	Kelley	
314-4	Elementary School Methods					
	1	7:00-7:50	MTuWTh	SCI 002	Carpenter	
	51	11:00-11:50	MTuWTh	105	Kelley	
337-4	Reading in the Elementary Schools					
	1	8:00-8:50	MTuWTh	ANB 201	Steinkellner	
351D-8 to 16	Elementary Student Teaching					
	1	† Arranged			Steinbrook	
	51	† Arranged			Steinbrook	
351E-4 to 8	Advanced Elementary Student Teaching					
	1	† Arranged			Steinbrook	
	51	† Arranged			Steinbrook	
415-2 to 4	Improvement of Instruction in Arithmetic in the Elementary School					
	1	† 1:00-2:25	MTuWTh	ANB 201	Steinbrook	
433-4	Workshop in Elementary Education					
	1	† 7:00-10:50	Aug. 7-18	AUD 100	Bear	
442-4	Materials and Methods in Elementary School Science					
	1	† 9:00-10:25	MTuWTh	SCI 002	Bliss	
505-4	Improvement of Reading Instruction					
	1	† 11:00-12:25	MTuWTh	SCI 102	Steinkellner	
515-4	Special Problems in the Teaching of Arithmetic in the Elementary School					
	1	† 1:00-2:25	MTuWTh	ANB 201	Steinbrook	
521-4	Diagnosis and Correction of Reading Disabilities I					
	1	† 7:00-8:25	MTuWTh	AUD 100	Bear	
541-4	Selected Teaching and Curriculum Problems in Elementary School Science					
	1	† 9:00-10:25	MTuWTh	SCI 002	Bliss	
543-4	Teaching the Social Studies in the Elementary School					
	1	† 11:00-12:25	MTuWTh	AUD 100	Carpenter	
561-4	The Elementary School Curriculum					
	1	† 9:00-10:25	MTuWTh	AUD 100	Bear	

EDUCATION—SECONDARY (ED S)

315-4	High School Methods					
	1	1:00-1:50	MTuWTh	ANA 101	Smith	
	51	7:00-7:50	MTuWTh	103	Bliss	
352D-8 to 12	Secondary Student Teaching					
	1-26	† Arranged			Steinbrook	
	51-76	† Arranged			Steinbrook	
352E-4 to 8	Secondary Student Teaching					
	1-26	† Arranged			Steinbrook	
	51-76	† Arranged			Steinbrook	

† 8 weeks

Course No. & Hours	Descriptive Title	Alton	E. St. Louis	Time	Days	Place	Instructor
490-4	Workshop in Economics Education						
1	† 1:00-2:25			MTuWTh		ANA 100	Schwier
505-4	Improvement of Reading Instruction						
1	† 11:00-12:25			MTuWTh		SCI 102	Steinkellner
508-4	Seminar: Trends in Selected Areas in Secondary Schools						
1	† 11:00-12:25			MTuWTh		SCI 002	Bliss
521-4	Diagnosis and Correction of Reading Disabilities I						
1	† 7:00-8:25			MTuWTh		AUD 100	Bear
550-4	Core Curriculum in the Secondary School						
1	† 9:00-10:25			MTuWTh		SCI 102	Smyers
562-4	Workshop in High School Curriculum						
1	† 1:00-2:25			MTuWTh		AUD 102	Smyers

EDUCATION—SPECIAL (SP E)

351D-8	Elementary Student Teaching						
52	† Arranged						Tucker
410-4	Problems and Characteristics of the Mentally Retarded						
51	† 8:30-9:45			MTuWTh		224	Tucker
413-4	Directed Observation of Exceptional Children						
51	† 8:30-12:00			MTuWTh		Public School	Tucker
414-4	The Exceptional Child						
1	† 11:00-12:25			MTuWTh		ANA 108	Rockwell
420-4	Methods and Materials for Teaching Exceptional Children						
51	† 7:00-8:25			MTuWTh		224	Tucker
577-4	Practicum in Special Education						
51	† Arranged						Tucker

ENGLISH (ENG)

300-4	Principles of English Grammar						
E1	6:20-8:10			M W		AUD 101	Duncan
302a-4	Survey of English Literature						
1	11:00-11:50			MTu ThF		AUD 102	Taylor (Marion)
309a-4	Survey of American Literature						
1	9:00-9:50			MTu ThF		AUD 101	Joost
365-4	Shakespeare						
E51	6:20-8:10			Tu Th		221	Taylor (Marion)
391-3	Usage in Spoken and Written English						
1	9:00-9:50			MTu Th		AUD 102	Ades
E2	6:20-7:35			Tu Th		AUD 100	Ades
E51	8:20-10:10			M W		224	Hornback
417-4	Victorian Literature						
1	† 7:00-8:50			MTuW		S&T 101	Duncan
421d-4	Modern British Poetry						
1	10:00-10:50			MTu ThF		AUD 102	Joost
468-4	American Drama						
1	† 11:00-12:50			MTuW		ANA 101	Zanger
486-4	Workshop in High School English						
51	† 10:00-11:50			MTu ThF		203	Van Syoc
	and other hours arranged.						
487-4	Workshop in Junior High School English						
51	† 10:00-11:50			MTu ThF		224	Wood
	and other hours arranged.						
505c-4	Studies in English Literature						
E51	6:20-8:10			M W		224	Graham
515c-4	Studies in American Literature						
1	† 9:00-10:50			MTuW		ANB 103	Austin

Course No. & Hours	Descriptive Title				
Alton	E. St. Louis	Time	Days	Place	Instructor

FOREIGN LANGUAGE—GERMAN (GER)

161-0	German for Graduate Students				
1	10:00–10:50	MTuWThF	ANB 102	Ryberg	
351a-3	Advanced German Conversation and Composition				
1	12:00–12:50	M W F	AUD 101	Guenther	

GEOGRAPHY (GEOG)

212-3	Map Reading and Interpretation				
1	9:00–9:50	MTuWTh	ANA 108	Baker	
313-3	Geography of Illinois				
E1	8:00–9:15	Tu Th	ANA 110	Baker	
314-4	Geography of Anglo-America				
E1	6:00–7:50	M W	ANA 110	Vogel	
315-4	Geography of Europe				
51	11:00–11:50	MTuWTh	115	Guffy	
402-4	The Soviet Union				
51	12:00–12:50	MTuWTh	115	Mookerjee	
424-4	Regional Problems in Conservation				
1	† 11:00–12:50	M WTh	ANA 110	Kazeck	
E51	6:00–7:50	M W	115	Snaden	
530-2 to 4	Independent Studies in Geography				
1	† Arranged			Vogel	
51	† Arranged			Guffy	

GOVERNMENT (GOVT)

210-4	American Government				
1	10:00–10:50	MTuWTh	AUD 103	Glaser	
E2	6:00–7:50	Tu Th	ANA 101	Kerr	
51	10:00–10:50	MTuWTh	115	Mace	
243-3	Introduction to American Foreign Policy				
1	12:00–12:50	MuT Th	AUD 103	Glaser	
340-3	The Legislative Process				
51	7:00–7:50	M WTh	105	Mace	
390a-4	Comparative European Governments				
E1	6:00–7:50	M W	AUD 103	Glaser	
390b-4	Comparative European Governments				
E51	6:00–7:50	M W	220	Stahnke	
406-4	American Chief Executive				
51	† 3:00–4:50	MTu Th	103	Lovell	
440-4	Public Personnel Management				
1	9:00–9:50	MTuWTh	AUD 103	Schwab	
453-3	Soviet Government and Politics				
E51	8:00–9:15	M W	105	Stahnke	
487a-3	American Political Ideas				
51	8:00–8:50	M WTh	204	Mace	

GUIDANCE (GUID)

305-4	Educational Psychology				
1	12:00–12:50	MTuWTh	SCI 103	Southwood	
51	10:00–10:50	MTuWTh	105	Troyer	
E52	6:20–8:10	M W	103	Wheat	
412-4	Mental Hygiene				
1	10:00–10:50	MTuWTh	ANA 101	Sonstegard	
51	† 1:00–2:25	MTuWTh	204	Moore	
422-4	Educational Measurements I				
E1	† 5:30–8:10	M W	ANA 100	Brinkmann	
† 8 weeks					

Course No. & Hours		Descriptive Title		Days	Place	Instructor
Alton	E. St. Louis	Time				
422-4	Educational Measurements I					
	2	11:00-11:50	MTuWTh	ANB 202	Brinkmann	
	51	† 3:00-4:25	MTuWTh	220	Moore	
426-4	Individual Inventory					
	1	‡ 7:00-8:50	MTuWTh	ANA 104	Meredith	
511-4	Educational Implications of Learning Theories					
	1	† 1:00-2:25	MTuWTh	SCI 102	Brinkmann	
525-4	School Behavior Problems and their Prevention					
	1	‡ 7:00-8:50	MTuWTh	ANA 104	Meredith	
537-4	Counseling Theory & Practice I					
	1	† 7:00-8:25	MTuWTh	ANA 108	Sonstegard	
538-4	Counseling Theory & Practice II					
	1	† 1:00-2:25	MTuWTh	ANA 108	Soper	
542-4	Basic Principles of Guidance					
	1	† 9:00-10:25	MTuWTh	S&T 101	Soper	
543-4	Guidance through Groups					
	1	‡ 11:00-12:50	MTuWTh	AUD 200	Sonstegard	
545F-4	Seminar in Guidance: Pupil Adjustment					
	1	‡ 7:00-8:50	MTuWTh	ANA 104	Meredith	
562a-4	Child Development in Education					
	1	† 9:00-10:25	MTuWTh	SS 201	Kuenzli	
562b-4	Adolescent Development in Education					
	1	† 9:00-10:25	MTuWTh	SS 201	Kuenzli	
	51	† 1:00-2:25	MTuWTh	105	Troyer	

HEALTH EDUCATION (H ED)

461-4	Workshop in Health Education					
	1	† 1:00-2:25	MTuWTh	AUD 200	Klein	
480s-4	Workshop in Safety Education					
	1	† 9:00-10:25	MTuWTh	ANB 202	Spear	

HISTORY (HIST)

201a-4	History of The United States (to 1865)					
	1	8:00-8:50	MTuWTh	AUD 103	Weiss	
	51	8:00-8:50	MTuWTh	205	McCurry	
201b-4	History of The United States (Since 1865)					
	1	1:00-1:50	MTuWTh	AUD 103	Weiss	
	51	9:00-9:50	MTuWTh	205	McCurry	
415c-4	History of Early Modern Europe					
	51	12:00-12:50	MTuWTh	205	Haas	
435c-3	Post Civil War America					
	1	11:00-11:50	M WTh	AUD 103	Weiss	
450-4	Europe Since 1914					
	E1	6:00-7:50	Tu Th	AUD 103	Reames	
454-3	Biography in American History					
	E51	6:00-7:15	M W	205	McCurry	

INSTRUCTIONAL MATERIALS (I M)

417-4	Audio-Visual Methods in Education					
	1	† 7:00-8:25	MTuWTh	SCI 201	Madison	
	2	† 9:00-10:25	MTuWTh	SCI 201	Madison	
	51	11:00-11:50	MTuWTh	103	Hileman	
	52	† 1:00-2:25	MTuWTh	103	Hileman	

MANAGEMENT (MGT)

170-4	Introduction to Business Administration					
	E1	8:20-10:10	M W	AUD 100	Blackledge	
	51	10:00-10:50	MTuWTh	222	Davison	

Course No. & Hours		Descriptive Title				
Alton	E. St. Louis	Time	Days	Place	Instructor	
320-5	Corporation Finance					
1		10:00-10:50	MTuWThF	ANA 104	Milles	
	E51	5:55-8:10	Tu Th	205A	Davison	
340-4	Business Organization and Management					
E1		6:20-8:10	Tu Th	ANB 201	staff	
	E51	6:20-8:10	M W	205A	Meador	
371-4	Business Law I					
E1		8:20-10:10	M W	ANB 201	Heath	
	51	12:00-12:50	MTuWTh	105	Heath	
385-4	Personnel Management					
	E51	8:20-10:10	M W	205A	Meador	
421-4	Management of Business Finance					
E1		6:20-8:10	M W	ANB 201	Blackledge	
473-4	Business Enterprise and Public Policy					
1		12:00-12:50	MTuWTh	SCI 003	Blackledge	
	51	11:00-11:50	MTuWTh	124A	Meador	

MARKETING (MKTG)

230-5	Principles of Marketing					
E1		5:55-8:10	M W	ANA 101	Vincent	
	51	8:00-8:50	MTuWThF	115	Eckles	
331-4	Retailing					
1		8:00-8:50	MTuWTh	ANB 202	Vincent	
336-3	Purchasing					
E51		5:30-8:10	Tu	115	Eckles	
341-4	Transportation					
E51		8:20-10:10	Tu Th	224	Eckles	
438-4	Sales Management					
E1		8:20-10:10	M W	ANA 101	Vincent	

MATHEMATICS (MATH)

100-0	Elementary Mathematics					
1		11:00-11:50	MTuWTh	SCI 200	Zurheide	
	51	10:00-10:50	MTuWTh	220	Fanning	
111a-5	Elementary Analysis					
1		9:00-9:50	MTuWThF	ANB 102	Goering	
150b-4	Elementary Calculus and Analytic Geometry					
1		8:00-8:50	MTuWTh	SCI 200	Gwillim	
	51	10:00-10:50	MTuWTh	204	English	
252b-4	Calculus and Analytic Geometry					
E1		6:20-8:10	M W	SCI 002	Phillips	
310-4	The Teaching of Elementary Mathematics					
1		10:00-10:50	MTuWTh	SCI 103	Gwillim	
400-3	History of Mathematics					
	51	† 11:00-12:50	Tu Th	204	English	
413-4	Solid Analytic Geometry					
1		† 1:00-2:15	MTuWTh	SCI 002	Phillips	
425-3	Theory of Numbers					
1		† 11:00-11:50	MTuWTh	SCI 103	Goering	
446-4	The Structure of Elementary School Mathematics					
	51	† 1:00-2:15	MTuWTh	220	Fanning	

MUSIC (MUS)

010e-1	Class	Applied Music—Piano					
1		10:00–10:50	M	W	F	FAC 104	Boldt
010f-1	Class	Applied Music—Voice					
51		10:00–10:50	M	W	F	212	Van Camp
† 8 weeks, ‡ 6 weeks							

Course No. & Hours		Descriptive Title					
Alton	E. St. Louis	Time	Days	Place	Instructor		
140 a	thru r-2 to 4	Private Applied Music					
1		Arranged			staff		
a.	Violin	g.	Clarinet	m.	Trumpet		
b.	Viola	h.	Bassoon	n.	Trombone		
c.	Cello	i.	Saxophone	o.	Tuba		
d.	String Bass	j.	Percussion	p.	Baritone		
e.	Flute	k.	Piano	q.	Voice		
f.	Oboe	l.	French Horn	r.	Organ		
200-3	Fundamentals of Music						
1		8:00-8:50	M W F	FAC 203	Boldt		
240 a	thru r-2 to 4	Private Applied Music					
1		Arranged	(See MUS 140a above)		staff		
300-3	Music Education—Elementary						
1		9:00-9:50	M W F	FAC 203	Fjerstad		
301a-3	Music Education						
1		9:00-9:50	M W F	FAC 203	Fjerstad		
340 a	thru r-2 to 4	Private Applied Music					
1		Arranged	(See MUS 140a above)		staff		
440 a	thru r-2 to 4	Private Applied Music					
1		Arranged	(See MUS 140a above)		staff		

NURSING (NURS)

355-4	Background and Trends in Nursing						
	51	10:00-11:50	M Th	225	Jimson, Parker		
386-4	Team Nursing						
	51	Arranged			Zich		

PHYSICAL EDUCATION—MEN (PEM)

251-1	Required Physical Education (Golf)						
1		11:00-11:50	M W	Gym 102	Moehn		
	51	1:00-2:50	Tu	009	Moehn		
252-1	Required Physical Education (Tennis)						
1		8:00-8:50	M W	Gym 102	Showers		
252-1	Required Physical Education (Softball)						
	51	8:00-8:50	Tu Th	009	Showers		
253-1	Required Physical Education (Badminton)						
1		9:00-9:50	M W	Gym 102	Showers		
	51	7:00-7:50	Tu Th	009	Showers		
254-1	Bowling						
1		10:00-10:50	M W	Gym 102	Showers		
	51	9:00-9:50	Tu Th	009	Showers		
350-4	Methods & Materials for Teaching Physical Education Activities in the Elementary School						
1		10:00-10:50	MTuWTh	S&T 102,			
				Gym 102	Moehn		
	51	8:00-8:50	MTuWTh	103, 009	Klein		
402-3	Administration of Intramural and Extramural Activities						
1		† 11:00-12:25	MTuW	ANB 103,			
				Gym 102	Showers		
509-4	Supervision of Health and Physical Education						
1		† 7:00-8:25	MTuWTh	SCI 102	Spear		

PHYSICAL EDUCATION—WOMEN (PEW)

215-1	Badminton						
1		9:00-9:50	M W	Gym 102	Showers		
	51	7:00-7:50	Tu Th	009	Showers		
216-1	Tennis						
1		8:00-8:50	M W	Gym 102	Showers		

Course No. & Hours		Descriptive Title			
Alton	E. St. Louis	Time	Days	Place	Instructor
222-1	Golf				
	1	11:00-11:50	M W	Gym 102	Moehn
	51	1:00-2:50	Tu	009	Moehn
254-1	Bowling				
	1	10:00-10:50	M W	Gym 102	Showers
	51	9:00-9:50	Tu Th	009	Showers
350-4	Materials and Methods for Teaching Physical Education Activities in the Elementary School				
	1	10:00-10:50	MTuWTh	S&T 102,	
				Gym 102	Moehn
	51	8:00-8:50	MTuWTh	103, 009	Klein
PEM 402 and 509 open to students in PEW					

PEM 402 and 509 open to students in PEW

PHYSICS (PHYS)

211b-5	University Physics						
	Student enrolls in both lecture and lab.						
Lect		10:00–10:50	M	W	F	SCI 003	Boedeker
Lab 1		10:00–11:50	Tu			SCI 003	Boedeker
		10:00–11:50		Th		SCI 007	Boedeker
300-5	University Physics IV						
E1		6:00–9:15	M	W		S&T 102, SCI 007	Boedeker
309-4	Electric Circuits						
1		10:00–10:50	M	W	F	SCI 007	Zurheide
	and other hours arranged						

PSYCHOLOGY (PSYC)

201-4	Introductory Psychology				
1		1:00-1:50	MTuWTh	ANA 104	Rockwell
E2		6:20-8:10	Tu Th	ANA 104	Rockwell
	51	11:00-11:50	MTuWTh	205A	Moore
301-4	Child Psychology				
1		11:00-11:50	MTuWTh	SS 201	Kuenzli
	51	9:00-9:50	MTuWTh	220	Troyer
407-4	Theories of Learning				
1		† 1:00-2:25	MTuWTh	SCI 102	Brinkmann
421-4	Psychological Tests and Measurements				
E1		† 5:30-8:10	M W	ANA 100	Brinkmann
2		11:00-11:50	MTuWTh	ANB 202	Brinkmann
	51	† 3:00-4:25	MTuWTh	220	Moore
432-4	Mental Hygiene				
1		10:00-10:50	MTuWTh	ANA 101	Sonstegard
	51	† 1:00-2:25	MTuWTh	204	Moore
437-3	Fundamentals of Counseling				
1		† 7:00-8:25	MTuWTh	ANA 108	Sonstegard
465-4	Group Dynamics				
1		‡ 11:00-12:50	MTuWTh	AUD 200	Sonstegard

SOCIOLOGY (SOC)

101-4	Introductory Sociology				
	1	10:00-10:50	MTuWTh	ANB 201	More
102-4	Social Problems				
	51	9:00-9:50	MTuWTh	203	Taylor
241-4	Marriage and Parenthood				
	51	11:00-11:50	MTuWTh	221	Taylor

† 8 weeks

‡ 6 weeks

Course No. & Hours	Descriptive Title	Alton	E. St. Louis	Time	Days	Place	Instructor
321-4	Socialization of the Individual						
1				12:00-12:50	MTuWTh	ANB 102	More
335-4	Urban Sociology						
1				11:00-11:50	MTuWTh	ANB 102	Campbell
338-4	Industrial Sociology						
1				2:00-2:50	MTuWTh	ANB 102	More
388-3	Workshop in Inter-Group Relations						
51				† 1:00-6:00	MTuWThF	203	Rudwick
					June 16-26		
435-4	Social Stratification						
E1				6:00-7:50	M W	AUD 102	Campbell
472-4	Treatment and Prevention of Crime						
E51				6:00-7:50	Tu Th	205	Rudwick
484-4	Survey Course in Marriage Counseling						
E51				† 6:00-10:00	MTuWTh	203	Taylor
					June 16-July 2		

SPEECH (SPCH)

202-3	Principles of Discussion						
51				9:00-9:50	M W F	225	Hawkins

ZOOLOGY (ZOO)

100-5	Principles of Animal Biology						
	Student enrolls in lecture and one lab.						
	Lect			9:00-10:15	M W	112	Ratzlaff
	Lab 51			7:00-8:50	Tu Th	116	Ratzlaff
	Lab 52			9:00-10:50	Tu Th	116	Ratzlaff
306-4	Entomology						
	Student enrolls in lecture and one lab.						
	Lect			9:00-9:50	M W	SCI 110	Wooldridge
	Lab 1			9:00-10:50	Tu Th	SCI 110	
	† 8 weeks						



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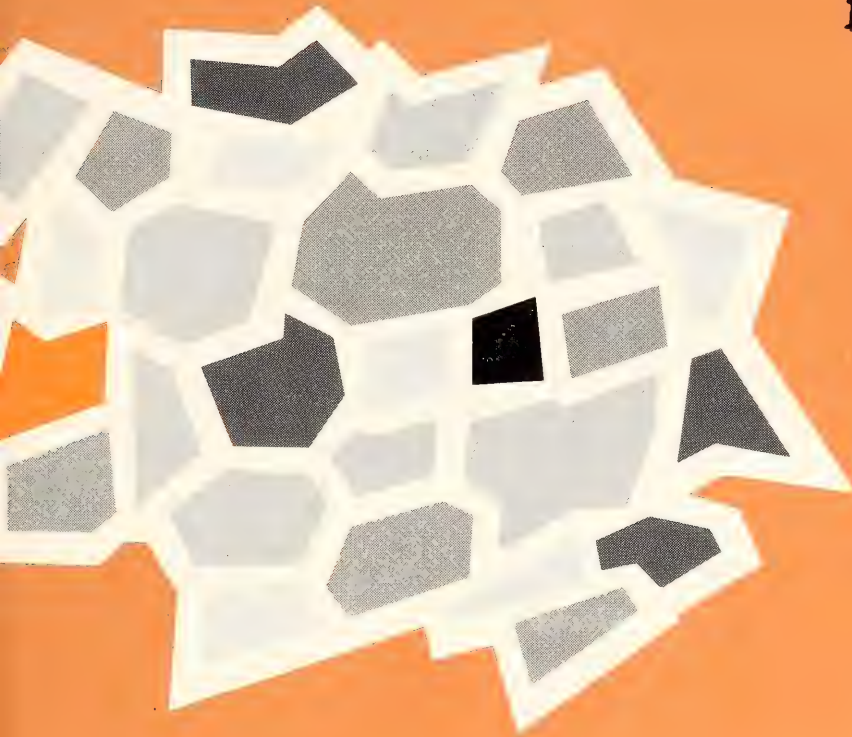
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Southern Illinois University

Bulletin



Schedule of Classes *Fall-Spring*

CARBONDALE CAMPUS 1964-65

Objectives of Southern Illinois University

TO EXALT BEAUTY

IN GOD,
IN NATURE,
AND IN ART;
TEACHING HOW TO LOVE THE BEST
BUT TO KEEP THE HUMAN TOUCH.

TO ADVANCE LEARNING

IN ALL LINES OF TRUTH
WHEREVER THEY MAY LEAD;
SHOWING HOW TO THINK
RATHER THAN WHAT TO THINK;
ASSISTING THE POWERS
OF THE MIND
IN THEIR SELF-DEVELOPMENT.

TO FORWARD IDEAS AND IDEALS

IN OUR DEMOCRACY;
INSPIRING RESPECT FOR OTHERS
AS FOR OURSELVES;
EVER PROMOTING FREEDOM
WITH RESPONSIBILITY.

TO BECOME A CENTER OF ORDER AND LIGHT

THAT KNOWLEDGE MAY LEAD
TO UNDERSTANDING
AND UNDERSTANDING
TO WISDOM.

Schedule of Classes

Fall, 1964, through Spring, 1965
Carbondale Campus



SOUTHERN ILLINOIS UNIVERSITY BULLETIN
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General Information
General Studies and AF ROTC
Financial Assistance
Summer Session (Carbondale)
Summer Session (Edwardsville)
Schedule of Classes (Carbondale)
Schedule of Classes (Edwardsville)
Divisional Announcements (Edwardsville)
Graduate School
College of Education
College of Liberal Arts and Sciences
School of Agriculture
School of Business
School of Communications
School of Fine Arts
School of Home Economics
School of Technology
Division of Technical and Adult Education

All intending students should have the General Information bulletin (issued once a year), plus the special bulletins of the various educational units in which they are most interested.

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This Bulletin

contains the schedule of Carbondale Campus classes offered at Carbondale, at Southern Acres, and at the Little Grassy Lake camp during the fall, winter, and spring quarters, 1964-65. It also provides information relative to advisement and registration. It does not cover all questions concerning Southern Illinois University. For complete information about the University the prospective student should refer to the General Information bulletin.

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University Calendar, 1964-1965

1964 SUMMER SESSION

Session Begins	Monday, June 15
Independence Day Holiday	Friday, July 3
Final Examinations (8-Week Session)	Wednesday-Thursday, August 5-6
Summer Commencement	Friday, August 7
Final Examinations (Summer Quarter)	Monday-Saturday, August 24-29

1964 FALL QUARTER

New Student Week	Sunday-Tuesday, September 20-22
Quarter Begins	Wednesday, September 23
Thanksgiving Vacation	Wednesday, 12 Noon-Monday 8 A.M. November 25-30
Final Examinations	Monday-Saturday, December 14-19

1965 WINTER QUARTER

Quarter Begins	Monday, January 4
Final Examinations	Monday-Saturday, March 15-20

1965 SPRING QUARTER

Quarter Begins	Monday, March 29
Memorial Day Holiday	Monday, May 31
Final Examinations	Wednesday-Tuesday, June 9-15
Commencement (Carbondale)	Wednesday, June 16
Commencement (Edwardsville)	Thursday, June 17

Classes begin on the second day of the quarter, except that the evening classes (5:45 P.M. or later) on the Carbondale Campus begin on the first night of the quarter.

Registration Calendar, Fall, 1964

April 8–May 29	Advance registration period only for students enrolled in the 1964 spring quarter. Students on scholastic probation planning to enroll for both summer and fall must wait until June 29 or later to register for fall.
April 14	Advance registration for night and Saturday classes for off-campus students and for vocational rehabilitation students (5:00–8:00 P.M.).
June 29–July 31	Advance registration period for students enrolled in the 1964 summer quarter and for new and re-entry students who have been admitted. New students should refer to the Advisement and Registration Procedure on page 2 to find what additional requirements must be met before they may be advised and register.
August 10–21	Advanced registration for new and re-entry students.
August 21	Students will receive fee statements by mail if registered by this date.
September 11	Students will have their advance registrations cancelled if fees are not paid at the Bursar's Office by 4:00 P.M., C.D.T., on this date, unless they have received approval for deferred payment.
September 20–22	New Student Week. New students (undergraduates and graduate) who did not advance register may do so. All others must wait until Wednesday, September 23.
September 23	Fall Quarter begins. Last day of regular registration period. Night classes (5:45 P.M. or later) begin. Fall extension classes begin.
September 24	Day classes begin. Late registration period begins.
October 6	Last registration day without dean's written approval. Last day to withdraw from school to be eligible for a refund of fees.
October 6	Deadline for payment of fees by students whose fees were deferred.
October 7	Last day for refund applications to be submitted to Registrar's Office for refund of fees.
October 20	Last day to withdraw from a course without receiving a letter grade.
December 1	Last day for making a program change or withdrawing from school except under exceptional conditions.

Registration Calendar, Winter, 1965

October 7– November 25 and November 30– December 2	Advance registration period for students enrolled in the 1964 fall quarter and for new and re-entry students who have been admitted. New students should refer to the Advisement and Registration Procedure on page 2 to find what additional requirements must be met before they may be advised and register. Students in school during the fall quarter who do not advance register must wait until Wednesday, January 6, 1965, and be assessed a \$3 late registration fee.
October 13	Advance registration for night and Saturday classes for off-campus students enrolled in 1964 fall quarter, and for vocational rehabilitation students (5:00–8:00 P.M.).
December 2	Students will receive fee statements by mail if registered by this date.
December 16	Students will have their advance registrations cancelled if fees are not paid at the Bursar's Office by 4:00 P.M. on this date, unless they have received approval for deferred payment. Cancelled students must wait until Wednesday, January 6, 1965, to register again and will be assessed a \$3 late registration fee.
January 4	Winter quarter begins. Last day of regular registration period. Only new and re-entering students will be advised and registered. Night classes (5:45 P.M. or later) begin.
January 5	Day classes begin. Late registration period begins.
January 15	Deadline for payment of fees by students whose fees were deferred.
January 16	Last day to register or to add a class by program change without dean's written approval. Last day to withdraw from school to be eligible for a refund of fees.
January 18	Last day for refund applications to be submitted to Registrar's Office for refund of fees for winter quarter.
January 30	Last day to withdraw from a course without receiving a letter grade.
March 6	Last day for making a program change or withdrawing from school except under exceptional conditions.

Registration Calendar, Spring, 1965

January 18– March 6 and March 8–10	Advance registration period for students enrolled in the 1965 winter quarter and for new and re-entry students who have been admitted. New students should refer to the Advisement and Registration Procedure on page 2 to find what additional requirements must be met before they may be advised and register. Students in school during the winter quarter who do not advance register must wait until Wednesday, March 31, 1965, and be assessed a \$3 late registration fee.
January 19	Advance registration for night and Saturday classes for off-campus students enrolled in 1965 winter quarter, and for vocational rehabilitation students (5:00–8:00 P.M.).
March 6	Students will receive fee statements by mail if registered by this date.
March 8–10 March 19	Those who register must pay fees at time of registration. Students will have their advance registration cancelled if fees are not paid at the Bursar's Office by 4:00 P.M. on this date, unless they have received approval for deferred payment. Cancelled students must wait until Wednesday, March 31, 1965, to register again and will be assessed a \$3 late registration fee.
March 29	Spring quarter begins. Last day of regular registration period. Only new and re-entering students will be advised and registered. Night classes (5:45 P.M. or later) begin.
March 30	Day classes begin. Late registration period begins.
April 9	Deadline for payment of fees by students whose fees were deferred.
April 10	Last day to register or to add a class by program change without dean's written approval. Last day to withdraw from school to be eligible for a refund of fees.
April 13	Last day for refund applications to be submitted to Registrar's Office for refund of fees for spring quarter.
April 24	Last day to withdraw from a course without receiving a letter grade.
June 1	Last day for making a program change or withdrawing from school except under exceptional conditions.

Calendar of Events, 1964-1965

THIS CALENDAR contains all of the dates and events within the official University Calendar. It also lists certain test dates and a few other all-university events which are related to the academic program.

SEPTEMBER

- 18 Friday. Registration closes for Dental Aptitude Test to be held October 3.
- 19 Saturday. *American College Testing Program (For new undergraduate students who have not previously taken A.C.T. for admission and placement purposes), 8:00 A.M.-1:00 P.M., Browne Auditorium, Furr Auditorium, and Davis Auditorium.
- 19 Saturday. LADO English Examination, 8:00 A.M.-12:00 noon, Morris Library Auditorium.
- 20 Sunday. University Residence Halls open.
- 20 Sunday. New Student Week begin, 4:00 P.M.
- 22 Tuesday. New Student Week ends.
- 23 Wednesday. Fall quarter begins.

OCTOBER

- 2 Friday. Registration closes for Medical College Admission Test to be held October 17.
- 3 Saturday. *Undergraduate English Qualifying Examination (Objective), 9:00 A.M.-12:00 noon, Furr Auditorium.
- 3 Saturday. *Dental Aptitude Test, 8:00 A.M.-5:00 P.M., Studio Theater.
- 17 Saturday. *Medical College Admission Test, 8:00 A.M.-1:00 P.M., Morris Library Auditorium.
- 17 Saturday. *Undergraduate English Qualifying Examination (Theme Test), 9:00 A.M.-12:00 noon, Furr Auditorium.
- 24 Saturday. *Graduate English and Scholastic Aptitude Tests (English-speaking students), 1:00-4:00 P.M., Furr Auditorium.
- 24 Saturday. *Graduate English Test (International Students), 1:00-4:00 P.M., Studio Theater, University School.
- 25 Saturday. Deadline for Application for Admission to the Graduate School to be considered as a degree candidate for winter quarter.
- 31 Saturday. Homecoming. Classes which meet only on Saturday mornings will meet; other Saturday classes are dismissed.

NOVEMBER

- 6 Friday. Registration closes for Graduate Record Examination to be held November 21.
- 14 Saturday. *Graduate English Theme Test, 9:00 A.M.–12:00 noon, Davis Auditorium.
- 21 Saturday. *Graduate Record Examination (National), 8:00 A.M.–5:00 P.M., Davis Auditorium.
- 25 Wednesday. Thanksgiving recess begins, 12:00 noon.
- 28 Saturday. *Ph.D. in Education Examination, 8:30 A.M.–3:00 P.M., Morris Library Auditorium.
- 30 Monday. Thanksgiving recess ends, 8:00 A.M.

DECEMBER

- 14 Monday. Fall quarter final examinations begin.
- 19 Saturday. Fall quarter final examinations end.

JANUARY

- 1 Friday. Registration closes for Graduate Record Examination to be held January 16.
- 3 Sunday. University Residence Halls open.
- 4 Monday. New Student Day. Winter quarter begins.
- 16 Saturday. *Graduate Record Examination (National), 8:00 A.M.–5:00 P.M., Furr Auditorium.
- 23 Saturday. *Graduate English Examination and Scholastic Aptitude Test (English-speaking students), 1:00–4:00 P.M., Furr Auditorium.
- 23 Saturday. *Graduate English Examination (International students), 1:00–4:00 P.M., Studio Theater, University School.
- 30 Saturday. Deadline for Application for Admission to the Graduate School to be considered as a degree candidate for spring quarter.

FEBRUARY

- 6 Saturday. *Undergraduate English Qualifying Examination (Objective), 9:00 A.M.–12:00 noon, Furr Auditorium.
- 13 Saturday. *Graduate English Theme Test, 1:00–4:00 P.M., Furr Auditorium.
- 27 Saturday. *Undergraduate English Qualifying Examination (Theme Test), 9:00 A.M.–12:00 noon, Furr Auditorium.

MARCH

- 15 Monday. Winter quarter final examinations begin.
- 20 Saturday. Winter quarter final examinations end.

*Pre-registration is required. For details consult the Testing Center.

Calendar of Events, 1964-1965. (Continued)

MARCH

- 27 Saturday. Deadline for Application for Admission to the Graduate School to be considered as a degree candidate for summer quarter.
- 28 Sunday. University Residence Halls open.
- 29 Monday. New Students Day. Spring quarter begins.

APRIL

- 9 Friday. Registration closes for Graduate Record Examination to be held April 24.
- 10 Saturday. *Ph.D. in Education Examination, 8:30 A.M.-3:00 P.M., Davis Auditorium.
- 16 Friday. Registration closes for Dental Aptitude Test to be held May 1.
- 17 Saturday. *Graduate English and Scholastic Aptitude Test (English-speaking students), 1:00-4:00 P.M., Furr Auditorium.
- 17 Saturday. *Graduate English Test (International students), 1:00-4:00 P.M., Studio Theater, University School.
- 17 Saturday. *Undergraduate English Qualifying Examination (Objective), 9:00 A.M.-12:00 noon, Furr Auditorium.
- 24 Saturday. *Graduate Record Examination (National), 8:00 A.M.-5:00 P.M., Furr Auditorium.

MAY

- 1 Saturday. *Graduate English Theme Test, 1:00-4:00 P.M., Furr Auditorium.
- 1 Saturday. *Dental Aptitude Test, 8:00 A.M.-5:00 P.M., Studio Theater, University School.
- 8 Saturday. *Undergraduate English Qualifying Examination (Theme Test), 9:00 A.M.-12:00 noon, Furr Auditorium.
- 31 Monday. Memorial Day Holiday.

JUNE

- 9 Wednesday. Spring quarter final examinations begin.
- 15 Tuesday. Spring quarter final examinations end.
- 16 Wednesday. Commencement.

*Pre-registration is required. For details consult the Testing Center.

General Information

THIS BULLETIN contains the schedule of classes for the fall, winter, and spring quarters, 1964-65, for the Carbondale Campus. It also provides information relative to advisement and registration, fees, and allied information for the Carbondale Campus.

ADVISEMENT & REGISTRATION SYSTEM

The Carbondale Campus uses an academic advisement system whereby each undergraduate academic unit has a chief academic adviser and a number of assistant advisers selected from the teaching faculty. After a student has received his Certificate of Admission, his next step is to contact the Academic Advisement Center for an appointment with an academic adviser of the academic unit which he is entering. Transfer students should note the procedural restrictions indicated on the next page under Advisement and Registration Procedure. Graduate students should contact the Graduate School.

After advisement the student may register for classes. The new student should also familiarize himself with the advance registration system, through which a student is expected to register for a quarter before the quarter starts. The registration calendars appear on pages vii through ix.

During the registration process the student goes through the Sectioning Center where the assignment is made to specific sections of the courses he is to take. For a number of years the Carbondale Campus has had to schedule classes at night and on Saturday mornings because of space limitations. A student is to expect assignment to such classes even though it is recognized that these may be considered undesirable class hours.

ADVISEMENT & REGISTRATION PROCEDURE

NEW STUDENTS

Students entering the University for the first time are permitted to advance register only after they have been admitted to the University as evidenced by their receiving the Certificate of Admissions from the Admissions Office. *In addition new freshmen will be permitted to be advised and advance registered only if they have completed the necessary tests and the results have been sent to Southern. New transfer students will be permitted to be advised and advance registered only after two weeks have elapsed from the date of receipt of the Certificate of Admission. Transfer students will not be able to be admitted and to register on the same day during the advance registration period. The reason for this time restriction is to permit time for the evaluation of transfer credit to be completed and available to the adviser at the time of advisement and registration.* Students should consult the Registration Calendars appearing on earlier pages of this bulletin to determine the specific dates for registration.

Undergraduate students admitted to the General Studies Program initiate the advance registration process by contacting the General Studies Advisement Office, Building T31, for an appointment with an adviser. Undergraduate students admitted to academic units other than General Studies should contact the Academic Advisement Center, Building T65. *Graduate students* contact the Graduate School, 309 West Mill Street. Specific advisement and registration information is sent to each student when he is admitted.

The Academic Advisement Center will be open June 29–July 31 and August 10–21, Monday through Friday, 8:00 to 12:00 and 1:00 to 3:30, C.D.T. The Sectioning Center will be open on the same days, 8:00 to 11:30 and 1:00 to 4:30, C.D.T. They will also be open on Saturdays from 8:30 to 11:30 during these periods, but the number of students who can be handled is restricted. Students must write at least ten days in advance for appointments for advisement.

New students who cannot take advantage of the advance registration process should refer to the Registration Calendars appearing on pages vii–ix to find out when they may register at the beginning of the appropriate quarter. New transfer students should note that if they are admitted during the last two weeks of an advance registration period they may not be advance registered but must wait to do so at the beginning of the quarter.

Students are to realize that even though there are academic advisers available to consult with them they are responsible for their academic program. They are to be aware of graduation requirements which include all-

University, academic unit, and major and, perhaps, minor requirements. They should also be keeping a record of courses completed and those yet to take and they should have a tentative listing of classes they want to take already prepared at the time they see their advisers. Advisers can help the student check to see that requirements are being met, assist in the selection of appropriate electives and in the development of long range educational and vocational plans. Qualified students may elect to be self-advised. Applications for this purpose are available at the main office of the Academic Advisement Center.

RE-ENTERING STUDENTS

Students who have attended the University at some former time but not during the session immediately prior to the time they plan to re-enter should initiate action by contacting the Admissions Office. Specific advisement and registration information will be furnished as they complete their re-entrance procedure with the Admissions Office.

CURRENT STUDENTS, CARBONDALE CAMPUS

Each student currently registered in the University will be continued in his present curriculum unless a change of college or major is made. A change of college or major is initiated with the student's adviser. Either change should be made at the time of advisement, and the registrar's copy of the change form should accompany the student's registration. Changes of college or major made after a registration has been processed will not be reflected in the student's records until the next registration.

An undergraduate student currently registered in the University will schedule an appointment with his adviser. At the time of advisement he will secure his authorization card and other registration cards. These are to be processed through the Sectioning Center as soon as possible after advisement.

A graduate student currently registered in the University will report to the Graduate School, 309 West Mill Street, to initiate the registration process. After the registration forms have been approved by the dean of the Graduate School, they should be brought to the Sectioning Center.

CURRENT STUDENTS, EDWARDSVILLE CAMPUS

A student attending the Edwardsville Campus who plans to attend the Carbondale Campus must initiate his registration process by presenting to the Admissions Office at Carbondale either an official transcript of his Southern record or a letter of good standing from the registrar at the Edwardsville Campus. The reason for his reporting to the Admission Office is

to permit the necessary coding changes to be made so that pertinent information about his academic program, etc., can be up-dated to reflect his change of campus.

PAYMENT OF FEES

A student advance registering will, in most cases, receive his fee statement and receipt card by mail, and his fees may be paid either by mail or in person by the deadline date specified in the Registration Calendar. A student registering for the spring quarter should note that the Registration Calendar indicates that during the last few days of the advance registration period the student must pay his fees at the time he registers. The reason for this is that insufficient time remains between the last days of the registration period and the fee paying deadline date to permit the mailing of the fee statement.

Upon payment of fees, the fee statement and receipt card will be stamped by the bursar and returned to the student as a fee receipt together with the No. 3 program card. These cards should be carried at all times. They serve as official authorization to attend classes as scheduled and must be presented to obtain books and activity cards and to process program changes. If fees are paid in person, these cards will be given to the student at the time of payment. If paid by mail, they may be picked up at any time thereafter at the Bursar's Office.

A student who does not advance register must pay his fees at the time he registers.

FEES FOR A REGULAR QUARTER

The University reserves the right to change fees and to have the change go into effect whenever the proper authorities so determine. Under the current fee schedule, Illinois undergraduate students taking more than 8 hours will pay the following regular fees:

Tuition	\$42.00
Book rental	5.00
Activity fee	9.50
Student union building fund fee	5.00
Total	<u>\$61.50</u>

Out-of-state students will pay an additional tuition of \$50.00 if taking more than eight hours and an additional \$25.00 if taking eight hours or fewer.

An Illinois undergraduate taking 8 or fewer hours will pay half tuition and book rental, will have an option of paying the activity fee, and will

pay the full student union building fund fee. Once an option has been made by a student at the time of registration as to whether or not to pay the activity fee, such option is irrevocable. A part-time student, then, will pay either \$28.50 or \$38.00.

Graduate students do not rent their textbooks and do not pay the book rental fee. They buy their books.

In addition to the above, students registering for the first time during the year for AF ROTC will be subject to a \$5.00 equipment deposit.

Students having special fee status, such as scholarship holders, faculty, and staff, will pay fees according to their particular status.

REGISTERING FOR ONLY NIGHT AND/OR SATURDAY CLASSES

Students registering for only night and/or Saturday classes may advance register, during regular office hours, the same as other students. Registration offices are also open one evening during each advance registration period, the first night of each quarter, and the first Saturday morning of each quarter for the convenience of these students. (Refer to the Registration Calendars or pages vii through ix for dates and hours as to when the offices will be open the one night during advance registration period.)

LATE REGISTRATION

The first day of a quarter is considered the last day of the regular registration period. Registrations thereafter, *including* those involving "to be arranged," are considered late registrations and are assessed the appropriate late registration fee. This is \$2.00 the first day with an additional \$1.00 per day to a maximum of \$5.00. The *only* exception to this late fee rule is for students taking *only* night and/or Saturday classes. These students may register on the first Saturday without a late fee. Thereafter, these students pay a straight \$5.00 late registration fee. Registration is permitted during the first two weeks of a quarter. Registration thereafter will be permitted only with the written approval of the student's academic dean and will apply only to those students who, for valid reasons could not arrive on campus during the first two weeks. Any student who was on campus during the first two weeks of a quarter and who attempts to complete his registration (clearing his fees at the Bursar's Office) thereafter will not be permitted to do so.

Veterans attending under one of the public laws should note that the Registrar's Office will certify enrollment and attendance to the Veteran's Administration, for subsistence purposes, only as of the date when fees

were cleared at the Bursar's Office, should registration take place after the opening date of the quarter.

Students registering *only* for a course(s) whose meeting time is listed as "to be arranged" in the Schedule of Classes must be registered by the first day of a quarter or be assessed late registration fees the same as regular students.

AUDITING OF COURSES

A student may register for courses in an "audit" status. He receives no letter grade and no credit for such courses. An auditor's registration card must be marked accordingly. He pays the same fees as though he were registering for credit. He is expected to attend regularly and is to determine from the instructor the amount of work expected of him. If an auditing student does not attend regularly, the instructor may determine that the student should not have the audited course placed on his record card maintained in the Registrar's Office. A student registering for a course for credit may change to an audit status or vice versa only for fully justified reasons and only during the first four weeks of a quarter. Such a change will require the student's academic dean's approval.

REGISTERING FOR AND WITHDRAWING FROM COURSES

Mere attendance does not constitute registration in a class nor will attendance in a class for which a student is not registered be a basis for asking that a program change be approved permitting registration in that class.

A student is officially registered only for those courses appearing on his registration cards. Any change therefrom can be made only after fees are paid and must be made through an official program change, which includes the following steps:

Step 1. Initiating the change.

A graduate student changing courses initiates the change by presenting his fee receipt and No. 3 program card to his graduate adviser. He then must secure the approval of the Graduate School. *An undergraduate student changing courses* initiates the change by presenting his fee receipt and No. 3 program card to his academic adviser at the Academic Advisement Center.

A student changing sections but not courses initiates the change by taking his fee receipt and No. 3 program card to the Sectioning Center.

Step 2. Sectioning.

The student must take his program change form to the Sectioning Center *within two days* after approval by his adviser.

Step 3. Paying the program change fee.

If a program change fee has been assessed, then the program change form must be presented to the Bursar's Office for payment. (Otherwise, this step is omitted.)

Step 4. Final Processing.

The student completes his program change by presenting it to the Enrollment Center in the Registrar's Office.

All program changes made by graduate students (except section changes) require Graduate School approval. Undergraduate student program changes (except for section changes and dropping of courses) made after the second week of a quarter require the approval of the student's academic dean or his designated representative.

A program change must be made in order to drop a course. A student may not drop merely by stopping attendance. The last date for dropping a course without receiving a W-grade is the last day of the fourth week of a quarter. (Refer to Registration Calendar.)

Students making program changes which result in their moving from part-time fee status to full-time fee status will be assessed additional tuition and fees. Students moving from full-time fee status to part-time may apply for a partial refund of their tuition and book rental fee (activity fee is not refundable) provided the reduction in program is made officially by a program change during the same period at the start of a quarter in which students withdrawing from the University are eligible for a refund. This is usually during the first ten days. For dates refer to the Registration Calendars beginning on page vii.

WITHDRAWAL FROM SCHOOL

A student who finds it necessary to withdraw from school while the quarter is in progress must report to the Student Affairs Office to initiate official withdrawal action. No withdrawal will be permitted during the last two weeks of a quarter except under exceptional conditions. A refunding of fees is permitted only if a withdrawal is *officially* completed within the first two weeks of a quarter and if the application for a refund is received in the Registrar's Office within two weeks following the last regular registration period. See the Registration Calendars in this bulletin for the specific dates concerning withdrawal and refunding of fees.

A student who advance registers, including paying of fees, and then finds that he cannot attend school must also officially withdraw from school. He may do this by asking the Student Affairs Office to initiate

official withdrawal action for him. This must be done by the end of the first two weeks if the student expects to get a refund.

CANCELLATION OF REGISTRATION

An advance registration including the payment of tuition and fees may be considered invalid if the student is declared to be ineligible to register due to scholastic reasons. The same situation may exist due to financial or disciplinary reasons if certified to the Registrar by the Director of Student Affairs.

PERSONAL DATA CHANGES

1. A CHANGE IN ADDRESS, whether local, home, or parents', is to be reported by the student to the reception desk in the Registrar's Office as soon as possible after the change occurs. The above addresses for a student are obtained from his Number 4 registration card when he first registers for a quarter during the year. Address changes are not made thereafter during the year unless they are reported as above by the student.
2. A CHANGE IN NAME is to be reported to the Enrollment Center in the Registrar's Office. A change for marital reasons will be done on the basis of a signed statement. Other changes may require the presenting of legal evidence.
3. A CHANGE IN MARITAL STATUS is to be reported to the Enrollment Center. A change will be made if it is based upon incorrect coding or punching. Any other change must be accompanied by a signed statement.
4. A CHANGE IN LEGAL RESIDENCE (whether an Illinois or out-of-state resident) is to be requested on the Application to be Classified an Illinois Resident form in the Registrar's Office. Before the request is honored, the Registrar must be satisfied that the student has met the regulations governing residency status as established by the Board of Trustees.

Carbondale Campus Map

THIS MAP has been prepared primarily to help students find classrooms, offices, and housing.

ALPHABETICAL LIST OF BUILDINGS

38	Abbott Hall (K-4)	T141	Educational Television Research (K-7)
T32	Accounting, Department of (G-6)	T40	Education Classrooms (H-5, 6)
T78	Adult Education (H, I-10)	T41	Education Classrooms (H-5, 6)
T65	Advisement Center (H-5)	44	Education, College of (Proposed) (J-8)
T63	AFROTC Supply (F-7)	20	Electric Sub-station No. 9 (I-6)
26	Agriculture Building (I-5)	T91	English, Department of (J-9)
3	Allyn Building (G-6)	T102	English, Department of (G-9)
104	Alpha Gamma Delta (L-4)	T136	English, Department of (G-9)
2	Altgeld Hall (G-7)	T196	English, Department of (I-9)
T14	Alumni Service (F-6)	R5	Episcopal Foundation (I-10)
T96	American Board Examiners, Psychology (L-7)	5	Extension Service (F-6)
18	Animal Building (I-6)	T135	Faculty Club (G-4)
5	Anthony Hall (F-6)	117-137	Family Housing (B, C, D-1, 2, 3)
42	Anthropology, Department of (F, G-8)	T29	Farm Quonset Machine Shop (H-4)
57	Applied Science Laboratory (E-4)	34	Felts Hall (K-4)
T87	Area Psychological Service (C-8)	T115	Film Production Units (L-7)
5	Area Services (F-6)	T157	General Improvements (B, C-7)
T159	Art Annex No. 1 (C-7)	T173	Geography Annex 1 (M-7)
T182	Art Annex No. 2 (B-7)	T171	Geography Annex 2 (M-7)
T116	Asian Studies (M-8)	T105	Geography; Climatology Laboratory (J-5)
T35	Auditor (H-6)	T107	Geology (K-5)
28	Bailey Hall (J-4)	T119	Geology (K-6)
39	Baldwin Hall (K-4)	T137	Government, Department of (H-10)
R1	Baptist Foundation (H-7)	T77	Graduate School, Dean of (H-10)
R2	Baptist Foundation (J-7)	19	Greenhouses (I-6)
79	Beach House (J-2)	101-116	Group Housing (L, M, N-3, 4)
T94	Botany and Zoology (J-6)	T74	Guidance, Department of (J-7)
T176	Botany Research (L-8)	7	Gymnasium (F-7)
31	Bowyer Hall (J-3)	T85	Health Education and Safety (D-8)
33	Brown Hall (K-3)	T138	Health Education, Department of (L-8)
T34	Bursar (H-6)	T44	Health Service (D-6, 7)
T33	Business Manager (H-6)	T98	Health Service (D-7)
T32	Business, School of (G-6)	T144	Higher Education, Department of (H-10)
T145	Business, School of (Dean) (I-9)	42	Home Economics Building Group (F, G-8)
T106	Cartographic Office (J-5)	T18	Housing Office (G-6)
T167	Center for Study of Crime, Delinquency, and Corrections (K-9)	T57	Illinois Avenue Residence Hall (F-9)
T66	Central Clinical Services (J-6)	T27	Industrial Education, Classroom (H-4)
T39	Central Mailing (H-6)	T26	Industrial Education Offices, Classrooms, and Drafting Room (H-4)
T86	Central Publications (D-8)	T25	Industrial Education Shops (G-5)
T99	Central Research Shop (L-7)	21	Industrial Education Wing, University School (I-8)
80	Chlorination Pump House (J-2)	T73	Industrial Psychology Annex 4 (L-7)
R3	Christian Foundation (E, F-8)	5	Information Service (F-6)
T85	Civil Defense (D-8)	T169	Instructional Materials Classroom (L-7)
T105	Climatology Laboratory (J-5)	T163	Janitorial Services (K-7)
5	Community Development Institute (F-6)	T48	Journalism, Egyptian (H-4)
5	Community Development Services (F-6)	T185	Journalism Annex (K-7)
T101	Cooperative Wildlife Research (J-7)	35	Kellogg Hall (K-4)
T100	Coordinator of Research (L-8)	T124	Labor Institute (L-7)
T39	Data Processing and Computing Center (H-6)	T92	Latin American Institute (D-7)
101	Delta Chi (M-4)	56	Laundry (E-4)
103	Delta Zeta (M-4)	27	Lentz Hall (J-4)
T125	Design (J-5)	17	Life Science Building (I-6)
T126	Design (J, K-6)	13	McAndrew Stadium (F-5)
T128	Design (J-6)	T29	Machine Shop, Farm Quonset (H-4)
T129	Design (K-6)	T146	Management (K-9)
T149	Design Shop A (K-6)	T109	Marketing (J-7)
T150	Design Shop B (J-6)	T110	Mathematics (J-9)
T151	Design Shop C (J-6)	T111	Mathematics (J-9)
T152	Design Shop D (K-6)	H32	Men's Physical Education Research (J-6)
T155	Dewey Editorship (M-8)	T2-T9	Men's Residence Halls (C, D-6)
T162	Economics Annex (L-6)	R4	Methodist Foundation (F-9)
T31	Economics, Department of (G-6)	T106	Mississippi Valley Investigation (J-5)
T42	Education Administration (H-5, 6)	25	Morris Library (I-6)

ALPHABETICAL LIST OF BUILDINGS (Continued)

R6	Newman Foundation (D, E-8)	6	Shryock Auditorium (G-7)
R7	Newman Foundation (Proposed) (D, E-9)	102	Sigma Kappa (M-4)
T95	Nursery and Psychology (K-5)	105	Sigma Pi (L-3)
1	Old Main (F-7)	107	Sigma Sigma Sigma (M-4)
4	Parkinson Laboratory (G-6)	T80	Small Business Institute (L-9)
T13	Personnel Office (F-6)	37	Smith Hall (K-4)
113	Phi Sigma Kappa (M, N-4)	T79	Sociology (J-9)
T132	Photographic Service (D-7)	T104	Sociology (J-9)
T27	Photography Classroom (H-4)	T121	Sociology (I-9)
41	Physical Education and Military Training Building (Proposed) (G-3)	T36	Southern Playhouse (H-6)
T76	Physical Education (H-10)	T75	Special Education, Department of (J-7)
T58	Physical Education Quonset (E-7)	T38	Speech, Department of and Classrooms (H-6)
22	Physical Education Wing, University School (I-9)	T61	Speech and Hearing Clinic (K-7)
29	Pierce Hall (J-3)	T156	Speech Correction, Department of (K-8)
T162	Pine Hills Station	51	State of Illinois Public Health Laboratory (M-6)
5	Placement Service (F-6)	32	Steagall Hall (J-3)
T120	Plan "A" House (G-4)	11	Steel Bleachers (F-5)
12	Power Plant (E-5)	T39	Stenographic Service (H-6)
T45	President's Office (H-7)	9	Storage (G-7)
T142	Psychology (L-6)	T10	Storage Building (D-6)
T68	Psychology, Department of, Annex 1 (K-6)	T19	Student Affairs Office (G-6)
T70	Psychology, Department of, Annex 2 (K-6)	T15	Student Employment (F-6)
T71	Psychology, Department of, Annex 3 (L-6)	106	Tau Kappa Epsilon (M-3)
T69	Psychology, Main Office (K-6)	T78	Technical and Adult Education, Division of (H, I-10)
T60	Psychology Perception Laboratory (K-7)	T191	Technology, School of (Dean) (L-7)
10	Pump House (F-6)	84	Tennis Courts (F-3)
30	Pump House No. 2 (J-3)	T18	Testing Center (G-6)
T33	Purchasing and Accounting (H-6)	114	Theta Xi (M-4)
T37	Radio Studio (G-6)	205	Trailer Court Service Building (B-6)
T108	Reading Center (J-7)	T113	Transportation Institute (D-8)
T1	Recreation and Apartment (D-6)	T192	Typography Laboratory (K-7)
T84	Recreation and Outdoor Education, Department of (D-8)	T158	University Architect Construction Division (L-6)
T35	Registrar (H-6)	45	University Center (G-6)
T62	Rehabilitation Counselor Training (K-7)	M1-H76	University Housing (F-9, F-10, G-5, G-9, J-5, J-6, K-5, K-6)
T103	Rehabilitation Institute (K-7)	T117	University Press (K-7)
T93	Rehabilitation Institute Administrative Offices (K-7)	23	University School (I-9)
T90	Rehabilitation Perception Research (L-7)	83	Vice President, Office of (H-7)
35-39	Residence Halls (J, K-4)	T161	Virology Research Laboratory (M-6)
T108	Secondary Education (J-7)	36	Warren Hall (K-4)
T32	Secretary of Faculty (G-6)	8	Wheeler Hall (F-8)
T65	Sectioning Center (H-5)	T67	Wildlife Research Laboratory (J-6)
T18	Security Officer (G-6)	24	Woody Hall (G-8)
14	Service Building No. 1 (F-4)	T175	Women's Physical Education Annex (C-7)
15	Service Building No. 2 (F-4)	T72	Zoology (L-6)
78	Shelter and Boat Dock (H, I-3)		

NUMERICAL LIST OF BUILDINGS

1	Old Main (F-7)	33	Brown Hall (K-3)
2	Altgeld Hall (G-7)	34	Felts Hall (K-4)
3	Allyn Building (G-6)	35	Kellogg Hall (K-4)
4	Parkinson Laboratory (G-6)	36	Warren Hall (K-4)
5	Anthony Hall, Area Services; Community Development Institute; Community Development Services; Extension Service; Information Service; Placement Service	37	Smith Hall (K-4)
6	Shryock Auditorium (G-7)	38	Abbott Hall (K-4)
7	Gymnasium (F-7)	39	Baldwin Hall (K-4)
8	Wheeler Hall (F-8)	41	Physical Education and Military Training Building (Proposed) (G-3)
9	Storage (G-7)	42	Home Economics Building Group, Department of Anthropology (F, G-8)
10	Pump House (F-6)	44	College of Education (Proposed) (J-8)
11	Steel Bleachers (F-5)	45	University Center (G-6)
12	Power Plant (E-5)	56	Laundry (E-4)
13	McAndrew Stadium (F-5)	57	Applied Science Laboratory (E-4)
14	Service Building No. 1 (F-4)	78	Shelter and Boat Dock (H, I-3)
15	Service Building No. 2 (F-4)	79	Beach House (J-2)
17	Life Science Building (I-6)	80	Chlorination Pump House (J-2)
18	Animal Building (I-6)	83	Office of the Vice President (H-7)
19	Greenhouses (I-6)	84	Tennis Courts (F-3)
20	Electric Sub-Station No. 9 (I-6)	101	Delta Chi (M-4)
21	Industrial Education Wing, University School (I-8)	102	Sigma Kappa (M-4)
22	Physical Education Wing, University School (I-9)	103	Delta Zeta (M-4)
23	University School (I-9)	104	Alpha Gamma Delta (L-4)
24	Woody Hall (G-8)	105	Sigma Pi (L-3)
25	Morris Library (I-6)	106	Tau Kappa Epsilon (M-3)
26	Agriculture Building (I-5)	107	Sigma Sigma Sigma (M-4)
27	Lentz Hall (J-4)	108-112	Group Housing (M-3, 4)
28	Bailey Hall (J-4)	113	Phi Sigma Kappa (M, N-4)
29	Pierce Hall (J-3)	114	Theta Xi (M-4)
30	Pump House No. 2 (J-3)	115-116	Group Housing (N-4)
31	Bowyer Hall (J-3)	117-137	Family Housing (B, C, D-1, 2, 3)
32	Steagall Hall (J-3)	205	Trailer Court Service Building (B-6)

NUMERICAL LIST OF BUILDINGS (Continued)

H

- H1-H76 University Housing (F-9, 10; G-5, 9; J, K-5, 6)
H32 Men's Physical Education Research (J-6)

R

- R1 Baptist Foundation (H-7)
R2 Baptist Foundation (J-7)
R3 Christian Foundation (E, F-8)
R4 Methodist Foundation (F-9)
R5 Episcopal Foundation (I-10)
R6 Newman Foundation (D, E-8)
R7 Newman Foundation (Proposed) (D, E-9)

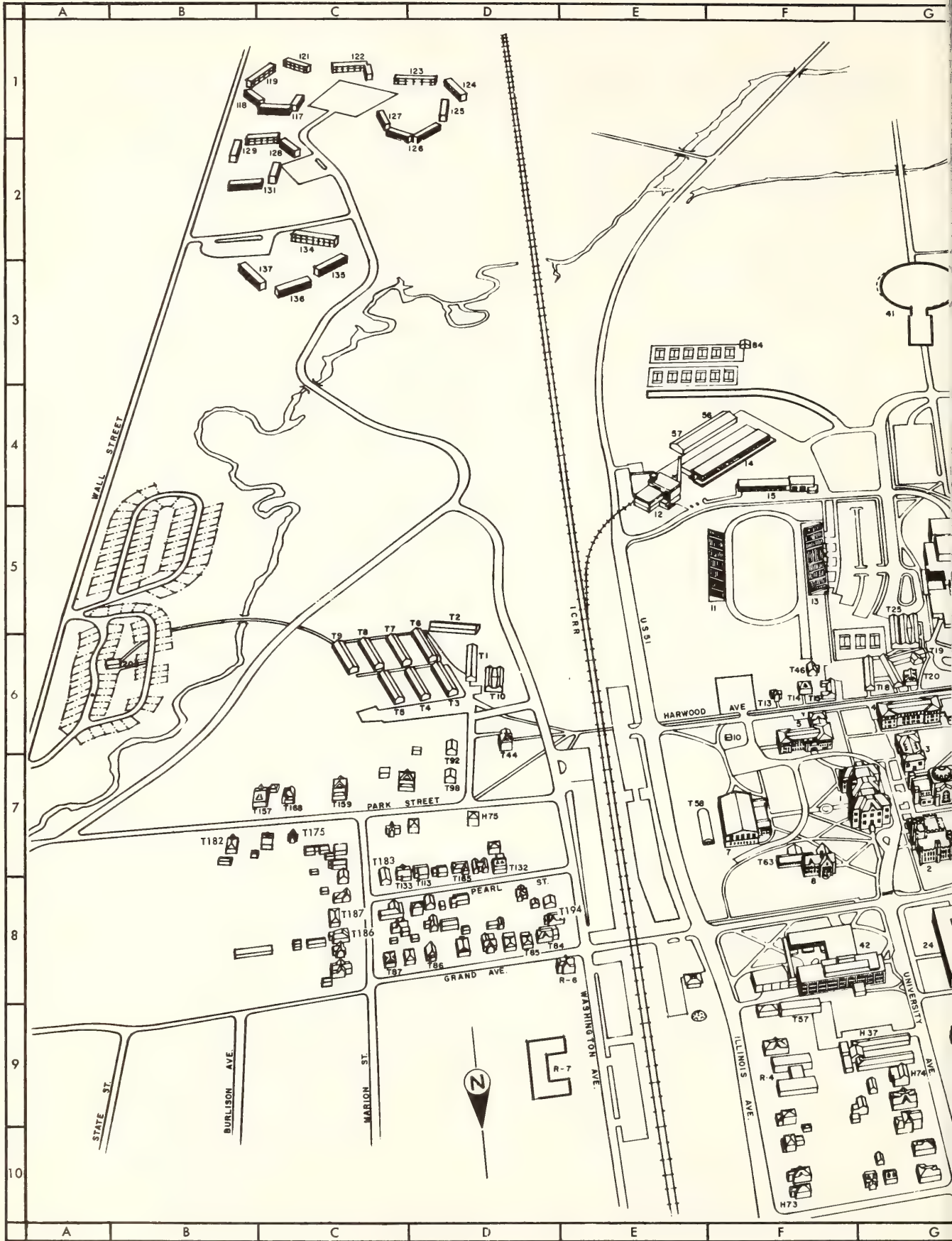
S

- S1 State of Illinois Public Health Laboratory (M-6)

T

- T1 Recreation and Apartment (D-6)
T2-T9 Men's Residence Halls (C, D-6)
T10 Storage Building (D-6)
T13 Personnel Office (F-6)
T14 Alumni Service (F-6)
T15 Student Employment (F-6)
T18 Housing Office; Security Officer; Testing Center (G-6)
T19 Student Affairs Office (G-6)
T25 Industrial Education Shops (G-5)
T26 Industrial Education Offices, Classrooms, and Drafting Room (H-4)
T27 Industrial Education Classroom; Photography Classroom (H-4)
T29 Farm Quonset Machine Shop (H-4)
T31 Department of Economics (G-6)
T32 Department of Accounting; School of Business; Secretary of Faculty (G-6)
T33 Accounting; Business Manager; Purchasing (H-6)
T34 Bursar (H-6)
T35 Auditor; Registrar (H-6)
T36 Southern Playhouse (H-6)
T37 Radio Studio (G-6)
T38 Department of Speech, and Classrooms (H-6)
T39 Central Mailing; Data Processing and Computing Center; Stenographic Service (H-6)
T40 Education Classrooms (H-5)
T41 Education Classrooms (H-6)
T42 Education Administration (H-5, 6)
T44 Health Service (D-6, 7)
T45 President's Office (H-7)
T48 Egyptian; Journalism (H-4)
T57 Illinois Avenue Residence Hall (F-9)
T58 Physical Education Quonset (E-7)
T60 Psychology Perception Laboratory (K-7)
T61 Speech and Hearing Clinic (K-7)
T62 Rehabilitation Counselor Training (K-7)
T63 AFROTC Supply (F-7)
T65 Advisement Center; Sectioning Center (H-5)
T66 Central Clinical Services (J-6)
T67 Wildlife Research Laboratory (J-6)
T68 Department of Psychology, Annex 1 (K-6)
T69 Department of Psychology, Main Office (K-6)
T70 Department of Psychology, Annex 2 (K-6)
T71 Department of Psychology, Annex 3 (L-6)
T72 Zoology (L-6)
T73 Industrial Psychology, Annex 4 (L-7)
T74 Department of Guidance (J-7)
T75 Department of Special Education (J-7)
T76 Physical Education (H-10)
T77 Dean of Graduate School (H-10)

- T78 Division of Technical and Adult Education (H, I-10)
T79 Sociology (J-9)
T80 Small Business Institute (L-9)
T84 Department of Recreation and Outdoor Education (D-8)
T85 Civil Defense; Health Education and Safety (D-8)
T86 Central Publications (D-8)
T87 Area Psychological Service (C-8)
T90 Rehabilitation Perception Research (L-7)
T91 Department of English (J-9)
T92 Latin American Institute (D-7)
T93 Rehabilitation Institute Administrative Offices (K-7)
T94 Botany and Zoology (J-6)
T95 Nursery and Psychology (K-5)
T96 American Board Examiners, Psychology (L-7)
T98 Health Service (D-7)
T99 Central Research Shop (L-7)
T100 Co-ordinator of Research (L-8)
T101 Co-operative Wildlife Research (J-7)
T102 Department of English (G-9)
T103 Rehabilitation Institute (K-7)
T104 Sociology (J-9)
T105 Geography; Climatology Laboratory (J-5)
T106 Cartographic Office; Mississippi Valley Investigation (J-5)
T107 Geology (K-5)
T108 Reading Center; Secondary Education (J-7)
T109 Marketing (J-7)
T110-T111 Mathematics (J-9)
T113 Transportation Institute (D-8)
T115 Film Production Units (L-7)
T116 Asian Studies (M-8)
T117 University Press (K-7)
T119 Geology (K-6)
T120 Plan "A" House (G-4)
T121 Sociology (I-9)
T124 Labor Institute (L-7)
T125 Design (J-5)
T126 Design (J, K-6)
T128-T129 Design (J, K-6)
T130 College of Education (J, K-7)
T132 Photographic Service (D-7)
T135 Faculty Club (G-4)
T136 Department of English (G-9)
T137 Department of Government (H-10)
T138 Department of Health Education (L-8)
T141 Educational Television Research (K-7)
T142 Psychology (L-6)
T144 Department of Higher Education (H-10)
T145 School of Business (Dean) (I-9)
T146 Management (K-9)
T149 Design Shop A (K-6)
T150 Design Shop B (J-6)
T151 Design Shop C (J-6)
T152 Design Shop D (K-6)
T155 Dewey Editorship (M-8)
T156 Department of Speech Correction (K-8)
T157 General Improvements (B, C-7)
T158 University Architect Construction Division (L-6)
T159 Art Annex No. 1 (C-7)
T161 Virology Research Laboratory (M-6)
T162 Pine Hills Station; Economics Annex (L-6)
T163 Janitorial Services (K-7)
T167 Center for Study of Crime, Delinquency, and Corrections (K-9)
T169 Instructional Materials Classroom (L-7)
T171 Geography Annex 2 (M-7)
T173 Geography Annex 1 (M-7)
T175 Women's Physical Education Annex (C-7)
T176 Botany Research (L-8)
T182 Art Annex No. 2 (B-7)
T185 Journalism Annex (K-7)
T191 School of Technology (Dean) (L-7)
T192 Typography Laboratory (K-7)
T196 Department of English (I-9)





Schedule of Classes

THE FOLLOWING material may be of value in interpreting the information appearing in the class schedule.

LISTING OF COURSES

GENERAL STUDIES COURSES

Courses which students are to take to meet the General Studies requirements are listed in the front of the Schedule of Classes. These courses are listed by the area which they satisfy and within the area by course number and section number.

DEPARTMENTAL COURSES

Departments in which courses are being offered are listed in alphabetical order. Courses within each department are listed in order by course number and section number.

COURSE NUMBERS AND HOURS

The column containing this information shows the number of the course first, followed by the number of hours of credit. Course numbers are three digit numbers. In some cases the three digits may be followed by a letter which is also part of the course number. The number appearing after the hyphen denotes the hours of credit for the course. In some cases there may be more than one number following the course number such as 599-2 to 5. This represents a variable-hour course in which the student

decides the number of hours for which he is going to register in consultation with his adviser.

The course numbering system is as follows:

- 000-099 Course not properly falling in the following categories
- 100-199 For freshmen
- 200-299 For sophomores
- 300-399 For juniors and seniors
- 400-499 For seniors and graduate students
- 500-600 For graduate students only

PREREQUISITE

The prerequisite column lists requirements which must be satisfied before a student registers for the course. These prerequisites may be listed in various ways. Usually they are other courses in the same department, indicated by a course number. A prerequisite in another department is indicated by the department's code letters and the course number.

The listing of prerequisites provides ready information for students. An effort has been made to have the listing complete, but this is not guaranteed. For the official listing of course descriptions and prerequisites, consult the bulletin of the academic unit within which the department is located.

SECTION NUMBER, TIME, AND DAYS

The times given indicate the beginning and ending of each class period. Students registering for courses listed as "to be arranged" may obtain times and days from instructor indicated or, if no instructor is listed, from the department chairman offering the course.

The letter *T* preceding a section number indicates that the section has been tentatively scheduled and will be opened for registration only if staff is available.

BUILDING AND ROOM NUMBER

The following list of building abbreviations will help in the location of classrooms. Buildings are listed alphabetically according to the code used in the class schedule. The numbers refer to the map on page 12. Temporary buildings, which are indicated in the schedule by the letter *T* or *H* followed by a number, and religious foundations, which are indicated by the letter *R* and a number, are listed on page 11.

CODE:	BUILDING NAME—NUMBER	MAP	KEY	CODE:	BUILDING NAME—NUMBER	MAP	KEY
Abbott:	Abbott Hall			LS:	Life Science Building—17		K-4
A:	Allyn Building—3		G-6	M:	Old Main—1		G-7
Ag:	Agriculture Building—26		I-4	Office:	Office of the department		--
Alg:	Altgeld Hall—2		I-7	P:	Parkinson Building—4		G-6
ApS:	Applied Science Laboratory—57		B-5	Pierce:	Pierce Hall—29		I-3
Arena:	SIU Arena			Pool:	University Swimming Pool—22		M-6
Aud:	Shryock Auditorium—6		H-6	RadS:	Radio Studios—T 37		H-6
Bailey:	Bailey Hall—28		I-3	Stables:	Stables at Little Grassy Lake		--
Bowling Alley				Stadium:	McAndrew Stadium—13		E-6
	(in University Center)—45		G-6	Tennis:	Tennis Courts		--
Browne:	Browne Auditorium—9		H-6	USch:	University School—23		M-7
BrownH:	Brown Hall—33		I-3	USchI:	Industrial Education		
Felts:	Felts Hall—34		I-3		Wing—21		L-6
Furr:	Furr Auditorium			Warren:	Warren Hall		
	(in USch)—23		M-7	VTI:	Vocational-Technical Institute		
Gym:	Gymnasium—7		F-7		(Southern Acres)		--
HEc:	Home Economics Building—42		I-8	Wh:	Wheeler Hall—8		H-7
Lake:	Lake on the Campus		2, 3	Wham:	Wham Education		
Lib:	Morris Library—25		J-5		Building—44		J-8
LG:	Little Grassy Lake		--				

If a building contains more than one classroom, then the number of the room follows the building's code name. A building code which contains a number is separated from the room number by the letter *R*. (For example, "T32 R111" means room 111 in building T32.)

FRESHMAN CONVOCATIONS

In order to establish a continuing interest in general education, a freshman convocation is held each week. All freshmen are required to register for convocations each quarter. Although no degree credit is granted, attendance is recorded. Each freshman must present a satisfactory attendance record of at least nine convocations per quarter for three quarters.

EXPLANATION OF ENTRIES

The entry for each course is arranged as follows:

First Line: The courses's identification number is followed by the number of quarter hours of credit and the descriptive title. A dotted line separates the title from the prerequisite, which appears at the right-hand end of the first line and sometimes continues to the second line.

Second Line: Special registration information, explanations, or any other remarks about the course appear on the second line. Sometimes the second line is not used.

Section-Number Lines: The first, second, and third columns list section numbers for courses offered fall, winter, and spring quarters, respectively. Following each section number are the time the class begins (between 8:00 A.M. and 4:20 P.M. for daytime classes) and the time it ends. The days on which the class meets, the place where it meets, and the instructor's last name complete the entry.

Course No. & Hours — Descriptive Title Days Bldg & Room Prerequisite
 Fall Winter Spring Time Instructor

GENERAL STUDIES AREA A—MAN'S PHYSICAL ENVIRONMENT and BIOLOGICAL INHERITANCE (GSA)

101a-3 Introduction to Physical Science									
1	1	1	8:00-8:50	M	W	F	Browne	staff	
2	2	2	10:00-10:50	Tu	Th	S	Browne	staff	
3		3	12:00-12:50	M	W	F	Browne	staff	
4			3:00-3:50	Tu	Th	F	Browne	staff	
5			5:00-5:50	MTu	Th		Browne	staff	
6			7:35-9:00 P.M.	M	W		Browne	staff	
T7			9:00-9:50	M	Th	F	P 308	staff	
	3		12:00-12:50	Tu	W	F	Browne	staff	
		4	2:00-2:50	M	W	F	Browne	staff	
	4		2:00-2:50	Tu	Th		Browne	staff	
			1:00-1:50			F	Browne	staff	
		T5	4:00-4:50	Tu	W	F	Browne	staff	
	T5		4:00-4:50	M	W	F	Browne	staff	
	6	6	6:00-7:25 P.M.	M	W		Browne	staff	
	T7	T7	9:00-9:50	Tu	Th	S	P 308	staff	
	T8	T8	11:00-11:50	Tu	Th	S	P 308	staff	
101b-3									
1 ¹	1 ¹	1 ¹	8:00-8:50	Tu	Th	S	Browne	staff	
2	2	2	10:00-10:50	M	W	F	Browne	staff	
3			12:00-12:50	Tu	Th		Browne	staff	
			1:00-1:50			F	Browne	staff	
4			1:00-1:50	M	W	Th	Browne	staff	
5			4:00-4:50	M	W	Th	Browne	staff	
T6			7:35-9:00 P.M.	Tu	Th		Browne	staff	
	3 ¹		12:00-12:50		Th		Browne	staff	
			1:00-1:50	M	W		Browne	staff	
	4		4:00-4:50	Tu	Th		Browne	staff	
			5:00-5:50	M			Browne	staff	
		3	1:00-1:50	Tu	W	F	Browne	staff	
		4	3:00-3:50	M	W	F	Browne	staff	
		5	3:00-3:50	Tu			Browne	staff	
			4:00-4:50	M	Th		Browne	staff	
	5	T6	6:00-7:25 P.M.	Tu	Th		Browne	staff	
	6		7:35-9:00 P.M.	M	W		Browne	staff	
CHEM 101b-1 Optional Laboratory for GSA 101b Concurrent enrollment in GSA									
101b, section 1 fall, section 1 or 3 winter, section 1 spring									
1	T1		10:00-12:50	M			P 200	staff	
2			10:00-12:50		W		P 200	staff	
3	T2		3:00-5:50	M			P 200	staff	
T4			12:00-2:50			F	P 200	staff	
T5			10:00-12:50	M			P 206	staff	
T6	T3		10:00-12:50		W		P 206	staff	
T7			8:00-10:50			F	P 206	staff	
T8		T1	9:00-11:50			S	P 206	staff	
T9	T4	T2	12:00-2:50			F	P 206	staff	
T10	T5	3	3:00-5:50	M			P 206	staff	
T11			3:00-5:50		Tu		P 206	staff	
	6		8:00-10:50			F	P 213	staff	
	7		12:00-2:50			F	P 213	staff	
	T8		9:00-11:50			S	P 213	staff	
	9		10:00-12:50	M			P 213	staff	
	T10	4	3:00-5:50		W		P 206	staff	

¹ Reserved for students electing to take Chemistry 101b and 101c on a concurrent basis.

18 GENERAL STUDIES AREA A (GSA)

Course No. & Hours — Descriptive Title Days Bldg & Room Prerequisite
Fall Winter Spring Time Days Bldg & Room Instructor

CHEM 101b-1 Optional Laboratory for GSA 101b Concurrent enrollment in GSA

101b, section 1 fall, section 1 or 3 winter, section 1 spring

T11		3:00-5:50	M		P 213	staff
T12		10:00-12:50		W	P 213	staff
	5	9:00-11:50			S P 200	staff
	6	2:00-4:50	Tu		P 200	staff
	7	2:00-4:50		Th	P 200	staff
	8	8:00-10:50		W	P 206	staff
	T9	12:00-2:50	M		P 206	staff
	T10	12:00-2:50		W	P 206	staff

101c-3 101b

1 ¹	1 ¹	9:00-9:50	Tu	Th	S	Browne	staff
2		2:00-2:50		Th		Browne	staff
		3:00-3:50	M	W		Browne	staff
3		4:00-4:50	Tu		F	Browne	staff
		5:00-5:50		W		Browne	staff
4		6:00-7:25 P.M.	Tu	Th		Browne	staff
	2	12:00-12:50	M			Browne	staff
		1:00-1:50	Tu	Th		Browne	staff
	3	5:00-5:50	Tu	W	F	Browne	staff
	4	7:35-9:00 P.M.	Tu	Th		Browne	staff
	T5	11:00-11:50			S	Browne	staff
		3:00-3:50	Tu	Th		Browne	staff
	1	9:00-9:50	M	W	F	Browne	staff
	2 ¹	11:00-11:50	Tu	Th	S	Browne	staff
	3	12:00-12:50	Tu			Browne	staff
		1:00-1:50	M		Th	Browne	staff
	4	5:00-5:50	M	W	Th	Browne	staff
	5	7:35-9:00 P.M.	M	W		Browne	staff

CHEM 101c-1 Optional Laboratory for GSA 101c Concurrent enrollment in GSA

101c, section 1 fall or winter, section 2 spring

1		8:00-10:50	M			P 213	staff
T2		9:00-11:50			S	P 213	staff
3		12:00-2:50		W		P 213	staff
4		12:00-2:50			F	P 213	staff
T5		3:00-5:50	M			P 213	staff
T6		3:00-5:50	Tu			P 213	staff
T7		3:00-5:50		Th		P 213	staff
	1	8:00-10:50			F	P 206	staff
	2	10:00-12:50	M			P 206	staff
	3	8:00-10:50			F	P 200	staff
	T4	9:00-11:50			S	P 206	staff
	T5	9:00-11:50			S	P 200	staff
	T6	12:00-2:50			F	P 200	staff
	T7	10:00-12:50		W		P 200	staff
	1	8:00-10:50	M			P 206	staff
	2	3:00-5:50	Tu			P 206	staff
	3	8:00-10:50			F	P 206	staff
	4	3:00-5:50		Th		P 206	staff
	5	3:00-5:50			F	P 206	staff
	6	8:00-10:50			S	P 213	staff
	7	2:00-4:50	Tu			P 213	staff
	8	2:00-4:50		Th		P 213	staff
	T8	9	8:00-10:50	M		P 107	staff
	T9	10	8:00-10:50		W	P 107	staff
	T11	8:00-10:50	Tu			P 107	staff
	T10	8:00-10:50			F	P 107	staff

¹ Reserved for students electing to take Chemistry 101b and 101c on a concurrent basis.

GENERAL STUDIES AREA A (GSA) 19

Course No. & Hours — Descriptive Title			Days	Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring				Time
200-3 Earth Science					101c
1	1	1	2:00-2:50	M W F Ag 166	Mr Amos
2	2	2	6:00-7:25 P.M.	Tu Th Ag 166	Mr Bell
201a-3 Man's Biological Inheritance					101c
1			8:00-8:50	M W LS 133	staff
			12:00-1:50	M H26 a	staff
	1		8:00-8:50	M W LS 133	staff
			10:00-11:50	M H26 c	staff
2			8:00-8:50	M W LS 133	staff
			4:00-5:50	M H26 a	staff
3	2	1	8:00-8:50	M W LS 133	staff
			8:00-9:50	Tu H26 a	staff
	3		8:00-8:50	M W LS 133	staff
			8:00-9:50	Tu H26 c	staff
4			8:00-8:50	M W LS 133	staff
			10:00-11:50	W H26 a	staff
	4	2	8:00-8:50	M W LS 133	staff
			1:00-2:50	Tu H26 c	staff
5			8:00-8:50	M W LS 133	staff
			12:00-1:50	W H26 a	staff
6			8:00-8:50	M W LS 133	staff
			6:00-7:50 P.M.	W H26 a	staff
7	5	3	8:00-8:50	M W LS 133	staff
			8:00-9:50	Th H26 a	staff
	6	4	8:00-8:50	M W LS 133	staff
			6:00-7:50 P.M.	Th H26 c	staff
	7	5	8:00-8:50	M W LS 133	staff
			8:00-9:50	F H26 a	staff
		6	8:00-8:50	M W LS 133	staff
			8:00-9:50	F H26 c	staff
		7	8:00-8:50	M W LS 133	staff
			10:00-11:50	F H26 c	staff
8			8:00-8:50	M W LS 133	staff
			2:00-3:50	Th H26 a	staff
	8		8:00-8:50	M W LS 133	staff
			8:00-9:50	F H26 c	staff
9			8:00-8:50	M W LS 133	staff
			8:00-9:50	F H26 a	staff
	9		8:00-8:50	M W LS 133	staff
			10:00-11:50	F H26 c	staff
10			10:00-10:50	Tu Th LS 133	staff
			12:00-1:50	M H26 c	staff
	10	8	8:00-8:50	M W LS 133	staff
			3:00-4:50	F H26 c	staff
11			10:00-10:50	Tu Th LS 133	staff
			4:00-5:50	M H26 c	staff
	11		10:00-10:50	W F LS 133	staff
			8:00-9:50	M H26 c	staff
12			10:00-10:50	Tu Th LS 133	staff
			8:00-9:50	Tu H26 c	staff
	12		10:00-10:50	W F LS 133	staff
			10:00-11:50	M H26 a	staff
13			10:00-10:50	Tu Th LS 133	staff
			10:00-11:50	W H26 c	staff
	13	9	10:00-10:50	W F LS 133	staff
			10:00-11:50	Tu H26 a	staff
14			10:00-10:50	Tu Th LS 133	staff
			12:00-1:50	W H26 c	staff

20 GENERAL STUDIES AREA A (GSA)

Course No. & Hours		Descriptive Title		Days		Bldg & Room		Prerequisite Instructor
Fall	Winter	Spring	Time					
201a-3 Man's Biological Inheritance								101c
	14	10	10:00-10:50	W	F	LS 133		staff
			3:00-4:50	Tu		H26 c		staff
	15		10:00-10:50	Tu	Th	LS 133		staff
			6:00-7:50 P.M.	W		H26 c		staff
	15		10:00-10:50	W	F	LS 133		staff
			6:00-7:50 P.M.	Tu		H26 a		staff
	16		10:00-10:50	Tu	Th	LS 133		staff
			8:00-9:50	Th		H26 c		staff
	16	11	10:00-10:50	W	F	LS 133		staff
			8:00-9:50	W		H26 c		staff
	17		10:00-10:50	T	Th	LS 133		staff
			2:00-3:50	Th		H26 c		staff
	17	12	10:00-10:50	W	F	LS 133		staff
			1:00-2:50	W		H26 c		staff
	18		10:00-10:50	Tu	Th	LS 133		staff
			8:00-9:50		F	H26 c		staff
	18	13	10:00-10:50	W	F	LS 133		staff
			10:00-11:50	Th		H26 a		staff
	19		10:00-10:50	W	F	LS 133		staff
			10:00-11:50	M		H26 a		staff
	19	14	10:00-10:50	W	F	LS 133		staff
			1:00-2:50	Th		H26 c		staff
	20		10:00-10:50	W	F	LS 133		staff
			10:00-11:50	Tu		H26 a		staff
	20	15	10:00-10:50	W	F	LS 133		staff
			3:00-4:50		F	H26 a		staff
	21		10:00-10:50	W	F	LS 133		staff
			2:00-3:50	Tu		H26 a		staff
	21		1:00-1:50	M	W	LS 133		staff
			8:00-9:50	M		H26 a		staff
	22		10:00-10:50		W	F	LS 133	staff
			4:00-5:50	Tu		H26 a		staff
	22	16	1:00-1:50	M	W	LS 133		staff
			1:00-2:50	Tu		H26 a		staff
	23		10:00-10:50		W	F	LS 133	staff
			8:00-9:50	W		H26 a		staff
	23		1:00-1:50	M	W	LS 133		staff
			6:00-7:50 P.M.	Tu		H26 c		staff
	24		10:00-10:50		W	F	LS 133	staff
			10:00-11:50		Th	H26 a		staff
	24	17	1:00-1:50	M	W	LS 133		staff
			10:00-11:50		W	H26 a		staff
	25		10:00-10:50		W	F	LS 133	staff
			6:00-7:50 P.M.		Th	H26 a		staff
	25	18	1:00-1:50	M	W	LS 133		staff
			3:00-4:50		W	H26 a		staff
	26		10:00-10:50		W	F	LS 133	staff
			2:00-3:50		F	H26 a		staff
	26	19	1:00-1:50	M	W	LS 133		staff
			8:00-9:50		Th	H26 c		staff
	27		1:00-1:50	M	W	LS 133		staff
			8:00-9:50	M		H26 a		staff
	27	20	1:00-1:50	M	W	LS 133		staff
			1:00-2:50		Th	H26 a		staff
	28		1:00-1:50	M	W	LS 133		staff
			2:00-3:50	M		H26 a		staff
	28	21	1:00-1:50	M	W	LS 133		staff
			3:00-4:50		Th	H26 c		staff

GENERAL STUDIES AREA A (GSA) 21

Course No.	Hours —		Descriptive Title	Days	Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring	Time			
29			1:00-1:50	M W	LS 133	staff
			12:00-1:50	Tu	H26 a	staff
	29	22	1:00-1:50	M W	LS 133	staff
			1:00-2:50		H26 a	staff
30			1:00-1:50	M W	LS 133	staff
			6:00-7:50 P.M.	Tu	H26 a	staff
	30	23	1:00-1:50	M W	LS 133	staff
			1:00-2:50		H26 c	staff
31			1:00-1:50	M W	LS 133	staff
			12:00-1:50		H26 a	staff
	31	24	5:45-7:25 P.M.	M	LS 133	staff
			10:00-11:50	Tu	H26 c	staff
32			1:00-1:50	M W	LS 133	staff
			4:00-5:50		H26 a	staff
	32	25	5:45-7:25 P.M.	M	LS 133	staff
			3:00-4:50	Tu	H26 a	staff
33			1:00-1:50	M W	LS 133	staff
			10:00-11:50		H26 a	staff
	33		5:45-7:25 P.M.	M	LS 133	staff
			8:00-9:50		H26 a	staff
34			1:00-1:50	M W	LS 133	staff
			12:00-1:50		H26 a	staff
	34	26	5:45-7:25 P.M.	M	LS 133	staff
			10:00-11:50		H26 c	staff
35			3:00-3:50	M W	LS 133	staff
			8:00-9:50	M	H26 c	staff
	35	27	5:45-7:25 P.M.	M	LS 133	staff
			1:00-2:50		H26 a	staff
36			3:00-3:50	M W	LS 133	staff
			2:00-3:50	Tu	H26 c	staff
	36	28	5:45-7:25 P.M.	M	LS 133	staff
			3:00-4:50		H26 c	staff
37			3:00-3:50	M W	LS 133	staff
			12:00-1:50	Tu	H26 c	staff
	37		5:45-7:25 P.M.	M	LS 133	staff
			10:00-11:50		H26 c	staff
38			3:00-3:50	M W	LS 133	staff
			6:00-7:50 P.M.	Tu	H26 c	staff
	38	29	5:45-7:25 P.M.	M	LS 133	staff
			3:00-4:50		H26 a	staff
39			3:00-3:50	M W	LS 133	staff
			12:00-1:50		H26 c	staff
	39	30	5:45-7:25 P.M.	M	LS 133	staff
			6:00-7:50 P.M.		H26 a	staff
40			3:00-3:50	M W	LS 133	staff
			4:00-5:50		H26 c	staff
	40		5:45-7:25 P.M.	M	LS 133	staff
			10:00-11:50		H26 a	staff
41			3:00-3:50	M W	LS 133	staff
			10:00-11:50		H26 c	staff
42			3:00-3:50	M W	LS 133	staff
			12:00-1:50		H26 a	staff
43			5:45-7:25 P.M.	M	LS 133	staff
			10:00-11:50	M	H26 c	staff
44			5:45-7:25 P.M.	M	LS 133	staff
			10:00-11:50	Tu	H26 a	staff
45			5:45-7:25 P.M.	M	LS 133	staff
			2:00-3:50	M	H26 c	staff

22 GENERAL STUDIES AREA A (GSA)

Course No. & Hours —			Descriptive Title	Days	Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring	Time			
46			5:45–7:25 P.M. 4:00–5:50	M Tu	LS 133 H26 c	staff staff
47			5:45–7:25 P.M. 8:00–9:50	M W	LS 133 H26 c	staff staff
48			5:45–7:25 P.M. 10:00–11:50	M Th	LS 133 H26 c	staff staff
49			5:45–7:25 P.M. 6:00–7:50 P.M.	M Th	LS 133 H26 c	staff staff
50			5:45–7:25 P.M. 2:00–3:50	M F	LS 133 H26 c	staff staff
201b-3						201a
1			9:00–9:50 8:00–9:50	Tu Th M	LS 133 LS 132	staff staff
	T1	1	9:00–9:50 10:00–11:50	M W M	LS 133 LS 308	staff staff
2			9:00–9:50 3:00–4:50	Tu Th M	LS 133 LS 132	staff staff
	2	2	9:00–9:50 8:00–9:50	M W Tu	LS 133 LS 132	staff staff
3			9:00–9:50 12:00–1:50	Tu Th Tu	LS 133 LS 132	staff staff
	3	3	9:00–9:50 1:00–2:50	M W Tu	LS 133 LS 308	staff staff
4			9:00–9:50 4:00–5:50	Tu Th Tu	LS 133 LS 132	staff staff
	4	4	9:00–9:50 8:00–9:50	M W Th	LS 133 LS 132	staff staff
5			9:00–9:50 8:00–9:50	Tu Th W	LS 133 LS 132	staff staff
	5	5	9:00–9:50 3:00–4:50	M W Th	LS 133 LS 132	staff staff
6			9:00–9:50 10:00–11:50	Tu Th Th	LS 133 LS 132	staff staff
	6	6	9:00–9:50 6:00–7:50 P.M.	M W Th	LS 133 LS 308	staff staff
7			9:00–9:50 8:00–9:50	Tu Th F	LS 133 LS 132	staff staff
	7	7	9:00–9:50 8:00–9:50	M W F	LS 133 LS 132	staff staff
8			9:00–9:50 1:00–2:50	Tu Th F	LS 133 LS 132	staff staff
	8	8	9:00–9:50 8:00–9:50	M W F	LS 133 LS 308	staff staff
9			11:00–11:50 10:00–11:50	Tu Th M	LS 133 LS 132	staff staff
	9	9	9:00–9:50 10:00–11:50	M W F	LS 133 LS 308	staff staff
10			11:00–11:50 8:00–9:50	Tu Th Tu	LS 133 LS 132	staff staff
	10	10	9:00–9:50 8:00–9:50	Tu Th M	LS 133 LS 132	staff staff
11			11:00–11:50 10:00–11:50	Tu Th W	LS 133 LS 132	staff staff
	11	11	9:00–9:50 8:00–9:50	Tu Th M	LS 133 LS 308	staff staff
12			11:00–11:50 12:00–1:50	Tu Th Th	LS 133 LS 132	staff staff
	T12	12	9:00–9:50 10:00–11:50	Tu Th Tu	LS 133 LS 132	staff staff

GENERAL STUDIES AREA A (GSA) 23

Course No. & Hours		Descriptive Title		Days		Bldg & Room		Prerequisite Instructor
Fall	Winter	Spring	Time					
13			11:00-11:50	Tu	Th	LS 133		staff
			2:00-3:50		Th	LS 132		staff
	13	13	9:00-9:50	Tu	Th	LS 133		staff
			3:00-4:50	Tu		LS 308		staff
14			11:00-11:50	Tu	Th	LS 133		staff
			6:00-7:50 P.M.		Th	LS 132		staff
	14	14	9:00-9:50	Tu	Th	LS 133		staff
			6:00-7:50 P.M.	Tu		LS 132		staff
15			11:00-11:50	Tu	Th	LS 133		staff
			10:00-11:50		F	LS 132		staff
	15	15	9:00-9:50	Tu	Th	LS 133		staff
			8:00-9:50		W	LS 132		staff
16			1:00-1:50	Tu	Th	LS 133		staff
			1:00-2:50	M		LS 132		staff
	16	16	9:00-9:50	Tu	Th	LS 133		staff
			1:00-2:50		W	LS 308		staff
17			1:00-1:50	Tu	Th	LS 133		staff
			10:00-11:50	Tu		LS 132		staff
	17	17	9:00-9:50	Tu	Th	LS 133		staff
			10:00-11:50		Th	LS 132		staff
18			1:00-1:50	Tu	Th	LS 133		staff
			2:00-3:50	Tu		LS 132		staff
	18	18	9:00-9:50	Tu	Th	LS 133		staff
			3:00-4:50		F	LS 132		staff
19			1:00-1:50	Tu	Th	LS 133		staff
			6:00-7:50 P.M.	Tu		LS 132		staff
	19	19	11:00-11:50	Tu	Th	LS 133		staff
			10:00-11:50	M		LS 132		staff
20			1:00-1:50	Tu	Th	LS 133		staff
			12:00-1:50		W	LS 132		staff
	20	20	11:00-11:50	Tu	Th	LS 133		staff
			1:00-2:50	Tu		LS 132		staff
21			1:00-1:50	Tu	Th	LS 133		staff
			8:00-9:50		Th	LS 132		staff
	21	21	11:00-11:50	Tu	Th	LS 133		staff
			6:00-7:50 P.M.	Tu		LS 308		staff
22			1:00-1:50	Tu	Th	LS 133		staff
			4:00-5:50		Th	LS 132		staff
	22	22	11:00-11:50	Tu	Th	LS 133		staff
			10:00-11:50		W	LS 132		staff
	23	23	11:00-11:50	Tu	Th	LS 133		staff
			10:00-11:50		W	LS 308		staff
	24	24	11:00-11:50	Tu	Th	LS 133		staff
			8:00-9:50		Th	LS 308		staff
T25	25		11:00-11:50	Tu	Th	LS 133		staff
			1:00-2:50		Th	LS 308		staff
	26	26	11:00-11:50	Tu	Th	LS 133		staff
			10:00-11:50		F	LS 132		staff
	27	27	11:00-11:50	Tu	Th	LS 133		staff
			1:00-2:50		F	LS 132		staff
	28	28	1:00-1:50	Tu	Th	LS 133		staff
			8:00-9:50	Tu		LS 308		staff
	29	29	1:00-1:50	Tu	Th	LS 133		staff
			3:00-4:50	Tu		LS 132		staff
30	30		1:00-1:50	Tu	Th	LS 133		staff
			8:00-9:50		W	LS 132		staff
31	31		1:00-1:50	Tu	Th	LS 133		staff
			1:00-2:50		W	LS 132		staff

24 GENERAL STUDIES AREA A (GSA)

Course No. & Hours	Descriptive Title	Days	Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring	Time	
201b-3				
32	32	1:00-1:50	Tu Th	LS 133 staff
		3:00-4:50	W	LS 308 staff
33	33	1:00-1:50	Tu Th	LS 133 staff
		6:00-7:50 P.M.	W	LS 308 staff
34	34	1:00-1:50	Tu Th	LS 133 staff
		1:00-2:50	F	LS 308 staff
35	35	1:00-1:50	Tu Th	LS 133 staff
		3:00-4:50	F	LS 308 staff
36		5:45-7:25 P.M.	W	LS 133 staff
		10:00-11:50	Tu	LS 132 staff
37		5:45-7:25 P.M.	W	LS 133 staff
		10:00-11:50	Tu	LS 308 staff
38		5:45-7:25 P.M.	W	LS 133 staff
		3:00-4:50	W	LS 132 staff
39		5:45-7:25 P.M.	W	LS 133 staff
		10:00-11:50	Th	LS 308 staff
40		5:45-7:25 P.M.	W	LS 133 staff
		1:00-2:50	Th	LS 132 staff
41		5:45-7:25 P.M.	W	LS 133 staff
		1:00-2:50	Th	LS 308 staff
42		5:45-7:25 P.M.	W	LS 133 staff
		3:00-4:50	Th	LS 308 staff
43		5:45-7:25 P.M.	W	LS 133 staff
		6:00-7:50 P.M.	Th	LS 132 staff
201c-3				
1		8:00-8:50	Tu Th	LS 133 staff
		8:00-9:50	M	H27 a staff
2	1	8:00-8:50	Tu Th	LS 133 staff
		10:00-11:50	M	H27 a staff
3	1	2 8:00-8:50	Tu Th	LS 133 staff
		10:00-11:50	Tu	H27 a staff
4	2	3 8:00-8:50	Tu Th	LS 133 staff
		3:00-4:50	Tu	H27 a staff
		4 8:00-8:50	Tu Th	LS 133 staff
		6:00-7:50 P.M.	Tu	H27 c staff
5	3	8:00-8:50	Tu Th	LS 133 staff
		8:00-9:50	W	H27 a staff
	4	5 8:00-8:50	Tu Th	LS 133 staff
		1:00-2:50	W	H27 a staff
	5	6 8:00-8:50	Tu Th	LS 133 staff
		6:00-7:50 P.M.	W	H27 a staff
6	6	7 8:00-8:50	Tu Th	LS 133 staff
		10:00-11:50	Th	H27 a staff
7	7	8 8:00-8:50	Tu Th	LS 133 staff
		3:00-4:50	Th	H27 a staff
8	8	9 8:00-8:50	Tu Th	LS 133 staff
		8:00-9:50	F	H27 a staff
9	9	8:00-8:50	Tu Th	LS 133 staff
		1:00-2:50	F	H27 a staff
10	10	8:00-8:50	Tu Th	LS 133 staff
		8:00-9:50	S	H27 a staff
11	10	2:00-2:50	W F	LS 133 staff
		1:00-2:50	M	H27 a staff
	11	2:00-2:50	W F	LS 133 staff
		3:00-4:50	M	H27 a staff
12	11	2:00-2:50	W F	LS 133 staff
		8:00-9:50	Tu	H27 a staff
201a				
201b				

GENERAL STUDIES AREA A (GSA) 25

Course No.	& Hours	—	Descriptive Title				Bldg & Room	Prerequisite
Fall	Winter	Spring	Time	Days				Instructor
13	12	12	2:00–2:50	W	F		LS 133	staff
			1:00–2:50	Tu			H27 a	staff
14	13	13	2:00–2:50	W	F		LS 133	staff
			6:00–7:50 P.M.	Tu			H27 a	staff
15	14	14	2:00–2:50	W	F		LS 133	staff
			10:00–11:50	W			H27 a	staff
	15		2:00–2:50	W	F		LS 133	staff
			3:00–4:50	W			H27 a	staff
16	16	15	2:00–2:50	W	F		LS 133	staff
			8:00–9:50	Th			H27 a	staff
17	17	16	2:00–2:50	W	F		LS 133	staff
			1:00–2:50	Th			H27 a	staff
18	18	17	2:00–2:50	W	F		LS 133	staff
			6:00–7:50 P.M.	Th			H27 a	staff
19	19	18	2:00–2:50	W	F		LS 133	staff
			10:00–11:50		F		H27 a	staff
20	20		2:00–2:50	W	F		LS 133	staff
			10:00–11:50		S		H27 a	staff
		19	3:00–3:50	M	W		LS 133	staff
			10:00–11:50	M			H27 c	staff
		20	3:00–3:50	M	W		LS 133	staff
			1:00–2:50	M			H27 c	staff
		21	3:00–3:50	M	W		LS 133	staff
			3:00–4:50	Tu			H27 c	staff
		22	3:00–3:50	M	W		LS 133	staff
			1:00–2:50	Tu			H27 c	staff
		23	3:00–3:50	M	W		LS 133	staff
			10:00–11:50	W			H27 c	staff
		24	3:00–3:50	M	W		LS 133	staff
			3:00–4:50	Th			H27 c	staff
		25	3:00–3:50	M	W		LS 133	staff
			6:00–7:50 P.M.	W			H27 c	staff
		26	3:00–3:50	M	W		LS 133	staff
			8:00–9:50		F		H27 c	staff
		27	3:00–3:50	M	W		LS 133	staff
			10:00–11:50		F		H27 c	staff
		28	5:45–7:25 P.M.	W			LS 133	staff
			10:00–11:50	Tu			H27 c	staff
		29	5:45–7:25 P.M.	W			LS 133	staff
			3:00–4:50	M			H27 c	staff
		30	5:45–7:25 P.M.	W			LS 133	staff
			1:00–2:50	W			H27 c	staff
		31	5:45–7:25 P.M.	W			LS 133	staff
			3:00–4:50	W			H27 c	staff
		32	5:45–7:25 P.M.	W			LS 133	staff
			8:00–9:50	Th			H27 c	staff
		33	5:45–7:25 P.M.	W			LS 133	staff
			10:00–11:50	Th			H27 c	staff
		34	5:45–7:25 P.M.	W			LS 133	staff
			1:00–2:50	Th			H27 c	staff
		35	5:45–7:25 P.M.	W			LS 133	staff
			3:00–4:50	W			H27 a	staff
		36	5:45–7:25 P.M.	W			LS 133	staff
			6:00–7:50 P.M.	Th			H27 c	staff
301-4 Principles of Physiology								
1	1	1	1:00–1:50	M	W	F	LS G16	staff
			1:00–2:50	Tu			LS 113	staff
2	2	2	1:00–1:50	M	W	F	LS G16	staff
			9:00–10:50	W			LS 113	staff

26 GENERAL STUDIES AREA A (GSA)

Course	No. & Hours	Descriptive Title	Days	Bldg & Room	Prerequisite
Fall	Winter	Spring	Time		Instructor
301-4	Principles of Physiology				
3	3	3	1:00-1:50	M W F	LS G16 staff
			1:00-2:50	Th	LS 113 staff
4	4	4	1:00-1:50	M W F	LS G16 staff
			9:00-10:50	F	LS 113 staff
302-3	Psychobiological Foundations of Behavior				
T1		T1	11:00-11:50	W F	LS 323 Mr Lit and Mrs Foote
			1:00-2:50	Th	H27 staff
T2		2	11:00-11:50	W F	LS 323 Mr Lit and Mrs Foote
			8:00-9:50	S	H27 staff
312-3	Conservation of Natural Resources				
		1	8:00-8:50	M W F	LS 205 1 year biology Mr Klimstra
1	1	2	8:00-8:50	M W F	Ag 144 staff
2	2	3	6:00-6:50 P.M.	M WTh	Ag 144 staff
313-3	Evolution				
1			10:00-10:50	Tu Th S	LS 205 1 year biology Mr Stains
	1		11:00-11:50	M W F	LS 205 Mr Stains
314-3	Man's Genetic Heritage				
1			10:00-10:50	TuTh S	LS 205 1 year biology Mr Englert
315-3	History of Biology				
1			3:00-3:50	M W F	LS 205 1 year biology Mr Galbreath
	1		11:00-11:50	M W F	LS 205 Mr Galbreath
330-3	Weather				
1		1	2:00-2:50	M W F	Ag 144 staff
331-3	Climate				
1			10:00-10:50	M W F	Ag 144 staff
340-3	Ecology				
1			10:00-10:50	Tu Th	LS 323 201c or Bot 203 Mr Voigt
			Saturday field trips to be arranged		
	1		8:00-8:50	Tu Th	LS 323 Mr Voigt
			Saturday field trips to be arranged		
345-3	Economic Botany				
1			8:00-8:50	Tu ThF	LS 323 201c Mr Marberry
	1		7:35-8:50 P.M.	M W	LS 133 Mr Welch

GENERAL STUDIES AREA B—MAN'S SOCIAL INHERITANCE and SOCIAL RESPONSIBILITIES (GSB)

101a-3	Survey of Western Tradition (Geography)					101b and c preferred
1	1	1	8:00-8:50	M W F	Ag 102	staff
2	2	2	2:00-2:50	M W F	Ag 102	staff
3	3	3	4:00-4:50	M W F	Ag 102	staff
4	4	4	9:00-9:50	M W F	Wham 303	staff
5	5	5	9:00-9:50	M W F	Wham 305	staff
6	6	6	9:00-9:50	M W F	Wham 307	staff
7	7	7	9:00-9:50	M W F	Wham 319	staff
8	8	8	9:00-9:50	M W F	Wham 321	staff
9	9	9	9:00-9:50	M W F	M 305A	staff
10	10	10	9:00-9:50	M W F	M 307	staff
11	11	11	9:00-9:50	M W F	M 308	staff
12	12	12	9:00-9:50	M W F	HEc 122	staff
T13	T13	T13	12:00-12:50	M W F	Wham 303	staff
T14	T14	T14	12:00-12:50	M W F	Wham 305	staff
T15	T15	T15	12:00-12:50	M W F	Wham 307	staff
16	16	16	12:00-12:50	M W F	Wham 319	staff
17	17	17	12:00-12:50	M W F	Wham 321	staff

GENERAL STUDIES AREA B (GSB) 27

Course No. & Hours —		Descriptive Title		Days			Bldg & Room		Prerequisite Instructor
Fall	Winter	Spring	Time						
18	18	18	12:00-12:50	M	W	F	M 102		staff
19	19	19	12:00-12:50	M	W	F	M 104		staff
20	20	20	12:00-12:50	M	W	F	M 105		staff
21	21	21	12:00-12:50	M	W	F	M 107		staff
22	22	22	12:00-12:50	M	W	F	M 304		staff
23	23	23	12:00-12:50	M	W	F	HEc 120		staff
24	24	24	12:00-12:50	M	W	F	HEc 122		staff
		25	6:00-7:25 P.M.	Tu	Th		Wham 105		staff
101b-3 Survey of Western Tradition (History)									
1			9:00-9:50	Tu	Th		Furr		staff
			11:00-11:50		Th		M 209		staff
2			9:00-9:50	Tu	Th		Furr		staff
			12:00-12:50		Th		M 206		staff
3			9:00-9:50	Tu	Th		Furr		staff
			9:00-9:50			F	M 207		staff
4			9:00-9:50	Tu	Th		Furr		staff
			9:00-9:50			S	M 206		staff
5			9:00-9:50	Tu	Th		Furr		staff
			9:00-9:50			S	M 207		staff
6			9:00-9:50	Tu	Th		Furr		staff
			9:00-9:50			F	M 213		staff
7			9:00-9:50	Tu	Th		Furr		staff
			11:00-11:50		Th		HEc 202		staff
8			9:00-9:50	Tu	Th		Furr		staff
			10:00-10:50			F	M 207		staff
9			9:00-9:50	Tu	Th		Furr		staff
			9:00-9:50			S	M 209		staff
10			9:00-9:50	Tu	Th		Furr		staff
			8:00-8:50		W		M 102		staff
11			9:00-9:50	Tu	Th		Furr		staff
			9:00-9:50	M			Gym 203		staff
12			9:00-9:50	Tu	Th		Furr		staff
			9:00-9:50		W		M 207		staff
13			9:00-9:50	Tu	Th		Furr		staff
			9:00-9:50	M			M 210		staff
14			9:00-9:50	Tu	Th		Furr		staff
			10:00-10:50	M			M 207		staff
15			9:00-9:50	M	W	F	Furr		staff
16			4:00-4:50	Tu	Th		Furr		staff
			4:00-4:50			F	M 210		staff
17			4:00-4:50	Tu	Th		Furr		staff
			4:00-4:50	M			M 206		staff
18			4:00-4:50	Tu	Th		Furr		staff
			4:00-4:50		W		M 206		staff
19			4:00-4:50	Tu	Th		Furr		staff
			4:00-4:50	M			M 207		staff
20			4:00-4:50	Tu	Th		Furr		staff
			4:00-4:50		W		M 207		staff
21			4:00-4:50	Tu	Th		Furr		staff
			4:00-4:50		W		M 102		staff
22			4:00-4:50	Tu	Th		Furr		staff
			4:00-4:50	M			M 102		staff
23			4:00-4:50	Tu	Th		Furr		staff
			4:00-4:50			F	M 203B		staff
24			4:00-4:50	Tu	Th		Furr		staff
			4:00-4:50			F	M 213		staff
25			4:00-4:50	Tu	Th		Furr		staff
			3:00-3:50		Th		M 210		staff

28 GENERAL STUDIES AREA B (GSB)

Course No. & Hours — Descriptive Title			Days		Eldg & Room		Prerequisite Instructor
Fall	Winter	Spring	Time				
101b-3 Survey of Western Tradition (History)							
26			4:00-4:50	Tu	Th	Furr	staff
			3:00-3:50	Tu		M 210	staff
27			4:00-4:50	Tu	Th	Furr	staff
			3:00-3:50	M		M 206	staff
28			4:00-4:50	Tu	Th	Furr	staff
			1:00-1:50		Th	M 207	staff
29			4:00-4:50	Tu	Th	Furr	staff
			2:00-2:50	Tu		M 207	staff
30			4:00-4:50	M	W F	Furr	staff
31			6:00-6:50 P.M.	M	W	Wham 105	staff
			6:00-6:50 P.M.		Th	M 207	staff
32			6:00-6:50 P.M.	M	W	Wham 105	staff
			6:00-6:50 P.M.	Tu		M 206	staff
33			6:00-6:50 P.M.	M	W	Wham 105	staff
			8:00-8:50	Tu		M 102	staff
34			6:00-6:50 P.M.	M	W	Wham 105	staff
			6:00-6:50 P.M.		Th	M 206	staff
35			6:00-6:50 P.M.	M	W	Wham 105	staff
			3:00-3:50		Th	M 207	staff
36			6:00-6:50 P.M.	M	W	Wham 105	staff
			6:00-6:50 P.M.	Tu		M 207	staff
37			6:00-6:50 P.M.	M	W	Wham 105	staff
			4:00-4:50		W	M 209	staff
38			6:00-6:50 P.M.	M	W	Wham 105	staff
			6:00-6:50 P.M.		Th	M 210	staff
39			6:00-6:50 P.M.	M	W	Wham 105	staff
			6:00-6:50 P.M.	Tu		M 210	staff
40			6:00-6:50 P.M.	M	W	Wham 105	staff
			7:35-8:25 P.M.	M		M 207	staff
1	1	8:00-8:50	Tu	Th	Wham 105	staff	
		8:00-8:50		F	M 206	staff	
2	2	8:00-8:50	Tu	Th	Wham 105	staff	
		8:00-8:50		S	M 206	staff	
3		8:00-8:50	Tu	Th	Wham 105	staff	
		8:00-8:50	M		M 207	staff	
4		8:00-8:50	Tu	Th	Wham 105	staff	
		8:00-8:50		W	M 207	staff	
5	3	8:00-8:50	Tu	Th	Wham 105	staff	
		8:00-8:50		S	M 207	staff	
6	4	8:00-8:50	Tu	Th	Wham 105	staff	
		8:00-8:50	M		M 209	staff	
7	5	8:00-8:50	Tu	Th	Wham 105	staff	
		8:00-8:50		W	M 209	staff	
8	6	8:00-8:50	Tu	Th	Wham 105	staff	
		8:00-8:50		S	M 209	staff	
9	7	8:00-8:50	Tu	Th	Wham 105	staff	
		8:00-8:50	M		M 210	staff	
10		8:00-8:50	Tu	Th	Wham 105	staff	
		8:00-8:50		S	M 210	staff	
11		4:00-4:50	Tu	Th	Furr	staff	
		4:00-4:50		F	M 207	staff	
12		4:00-4:50	Tu	Th	Furr	staff	
		3:00-3:50	Tu		M 206	staff	
13		4:00-4:50	Tu	Th	Furr	staff	
		3:00-3:50		Th	M 206	staff	
14		4:00-4:50	Tu	Th	Furr	staff	
		4:00-4:50	M		M 209	staff	

Course No.	No. & Hours	— Descriptive Title	Days	Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring	Time		
15		4:00-4:50	Tu Th	Furr	staff
		4:00-4:50	W	M 209	staff
16		4:00-4:50	Tu Th	Furr	staff
		4:00-4:50	M	M 210	staff
17		4:00-4:50	Tu Th	Furr	staff
		4:00-4:50	W	M 210	staff
18		4:00-4:50	Tu Th	Furr	staff
		4:00-4:50	F	M 201	staff
19		4:00-4:50	Tu Th	Furr	staff
		4:00-4:50	F	M 210	staff
20		4:00-4:50	Tu Th	Furr	staff
		4:00-4:50	M	M 206	staff
21		4:00-4:50	Tu Th	Furr	staff
		4:00-4:50	M	M 107	staff
22		4:00-4:50	Tu Th	Furr	staff
		4:00-4:50	W	M 207	staff
23		4:00-4:50	Tu Th	Furr	staff
		4:00-4:50	F	M 203B	staff
24		4:00-4:50	Tu Th	Furr	staff
		4:00-4:50	W	M 206	staff
25		4:00-4:50	M W F	Furr	staff
	8	8:00-8:50	Tu Th	Wham 105	staff
		8:00-8:50	W	M 206	staff
	9	8:00-8:50	Tu Th	Wham 105	staff
		8:00-8:50	W	M 102	staff
	10	8:00-8:50	Tu Th	Wham 105	staff
		8:00-8:50	S	M 102	staff
	11	12:00-12:50	Tu Th	Wham 105	staff
		12:00-12:50	M	M 206	staff
	12	12:00-12:50	Tu Th	Wham 105	staff
		12:00-12:50	W	M 206	staff
	13	12:00-12:50	Tu Th	Wham 105	staff
		12:00-12:50	F	M 206	staff
	14	12:00-12:50	Tu Th	Wham 105	staff
		12:00-12:50	M	M 207	staff
	15	12:00-12:50	Tu Th	Wham 105	staff
		12:00-12:50	W	M 207	staff
	16	12:00-12:50	Tu Th	Wham 105	staff
		12:00-12:50	M	M 209	staff
	17	12:00-12:50	Tu Th	Wham 105	staff
		12:00-12:50	W	M 209	staff
	18	12:00-12:50	Tu Th	Wham 105	staff
		12:00-12:50	F	M 209	staff
	19	12:00-12:50	Tu Th	Wham 105	staff
		12:00-12:50	F	M 203	staff
	20	12:00-12:50	Tu Th	Wham 105	staff
		12:00-12:50	M	M 203	staff
	21	3:00-3:50	Tu Th	Wham 105	staff
		2:00-2:50	M	M 206	staff
	22	3:00-3:50	Tu Th	Wham 105	staff
		3:00-3:50	W	M 209	staff
	23	3:00-3:50	Tu Th	Wham 105	staff
		2:00-2:50	M	M 209	staff
	24	3:00-3:50	Tu Th	Wham 105	staff
		2:00-2:50	M	M 102	staff
	25	3:00-3:50	Tu Th	Wham 105	staff
		3:00-3:50	M	M 102	staff
	26	3:00-3:50	Tu Th	Wham 105	staff
		3:00-3:50	W	M 102	staff

30 GENERAL STUDIES AREA B (CSB)

Course No. & Hours		Descriptive Title		Days		Bldg & Room		Prerequisite
Fall	Winter	Spring	Time					Instructor
101b-3 Survey of Western Tradition (History)								
		27	3:00-3:50	Tu	Th	Wham 105		staff
			3:00-3:50		F	M 102		staff
		28	3:00-3:50	Tu	Th	Wham 105		staff
			3:00-3:50	M		M 105		staff
		29	3:00-3:50	Tu	Th	Wham 105		staff
			3:00-3:50		W	M 105		staff
		30	3:00-3:50	Tu	Th	Wham 105		staff
			3:00-3:50		F	M 107		staff
101c-3 Survey of Western Tradition (History)								
		1	8:00-8:50	Tu	Th	Wham 105		staff
			8:00-8:50		F	M 207		staff
		2	8:00-8:50	Tu	Th	Wham 105		staff
			8:00-8:50		S	M 207		staff
		3	8:00-8:50	Tu	Th	Wham 105		staff
			8:00-8:50		F	M 206		staff
		4	8:00-8:50	Tu	Th	Wham 105		staff
			8:00-8:50		S	M 206		staff
		5	8:00-8:50	Tu	Th	Wham 105		staff
			8:00-8:50		S	M 209		staff
		6	8:00-8:50	Tu	Th	Wham 105		staff
			8:00-8:50		W	M 206		staff
		7	8:00-8:50	Tu	Th	Wham 105		staff
			8:00-8:50	M		M 207		staff
		8	8:00-8:50	Tu	Th	Wham 105		staff
			8:00-8:50		W	M 207		staff
		9	8:00-8:50	Tu	Th	Wham 105		staff
			8:00-8:50		F	M 215		staff
		10	8:00-8:50	Tu	Th	Wham 105		staff
			8:00-8:50	M		M 215		staff
		11	12:00-12:50	Tu	Th	Wham 105		staff
			12:00-12:50	M		M 209		staff
		12	12:00-12:50	Tu	Th	Wham 105		staff
			12:00-12:50		W	M 209		staff
		13	12:00-12:50	Tu	Th	Wham 105		staff
			1:00-1:50	Tu		M 209		staff
		14	12:00-12:50	Tu	Th	Wham 105		staff
			12:00-12:50		F	M 207		staff
		15	12:00-12:50	Tu	Th	Wham 105		staff
			12:00-12:50		F	M 209		staff
		16	12:00-12:50	Tu	Th	Wham 105		staff
			12:00-12:50	M		M 203		staff
		17	12:00-12:50	Tu	Th	Wham 105		staff
			12:00-12:50		W	M 203		staff
		18	12:00-12:50	Tu	Th	Wham 105		staff
			12:00-12:50		F	M 203		staff
		19	12:00-12:50	Tu	Th	Wham 105		staff
			1:00-1:50		W	M 206		staff
		20	12:00-12:50	Tu	Th	Wham 105		staff
			1:00-1:50	Tu		M 207		staff
		21	3:00-3:50	Tu	Th	Wham 105		staff
			3:00-3:50	M		M 207		staff
		22	3:00-3:50	Tu	Th	Wham 105		staff
			3:00-3:50		W	M 207		staff
		23	3:00-3:50	Tu	Th	Wham 105		staff
			2:00-2:50		W	M 209		staff
		24	3:00-3:50	Tu	Th	Wham 105		staff
			3:00-3:50	M		M 102		staff

Course No. & Hours	Descriptive Title			Days	Bldg & Room	Prerequisite Instructor
	Fall	Winter	Spring			
25			3:00-3:50	Tu Th	Wham 105	staff
			3:00-3:50	W	M 102	staff
26			3:00-3:50	Tu Th	Wham 105	staff
			3:00-3:50	F	M 102	staff
27			3:00-3:50	Tu Th	Wham 105	staff
			3:00-3:50	M	M 105	staff
28			3:00-3:50	Tu Th	Wham 105	staff
			3:00-3:50	W	M 105	staff
29			3:00-3:50	Tu Th	Wham 105	staff
			3:00-3:50	F	M 207	staff
30			3:00-3:50	Tu Th	Wham 105	staff
			3:00-3:50	F	M 209	staff
1			9:00-9:50	Tu Th	Furr	staff
			8:00-8:50	Tu	M 203	staff
2			9:00-9:50	Tu Th	Furr	staff
			9:00-9:50	S	M 206	staff
3			9:00-9:50	Tu Th	Furr	staff
			10:00-10:50	W	M 207	staff
4			9:00-9:50	Tu Th	Furr	staff
			9:00-9:50	S	M 207	staff
5			9:00-9:50	Tu Th	Furr	staff
			9:00-9:50	M	M 210	staff
6			9:00-9:50	Tu Th	Furr	staff
			10:00-10:50	M	M 207	staff
7			9:00-9:50	Tu Th	Furr	staff
			10:00-10:50	F	M 207	staff
8			9:00-9:50	Tu Th	Furr	staff
			10:00-10:50	S	M 207	staff
9			9:00-9:50	Tu Th	Furr	staff
			9:00-9:50	S	M 209	staff
10			9:00-9:50	Tu Th	Furr	staff
			9:00-9:50	S	M 210	staff
11			9:00-9:50	Tu Th	Furr	staff
			10:00-10:50	F	M 210	staff
12			9:00-9:50	Tu Th	Furr	staff
			8:00-8:50	F	M 107	staff
13			9:00-9:50	Tu Th	Furr	staff
			9:00-9:50	F	M 312	staff
14			9:00-9:50	Tu Th	Furr	staff
			10:00-10:50	S	M 206	staff
15			9:00-9:50	M W F	Furr	staff
16			12:00-12:50	Tu Th	Wham 105	staff
			12:00-12:50	M	M 206	staff
17			12:00-12:50	Tu Th	Wham 105	staff
			12:00-12:50	W	M 206	staff
18			12:00-12:50	Tu Th	Wham 105	staff
			12:00-12:50	F	M 206	staff
19			12:00-12:50	Tu Th	Wham 105	staff
			12:00-12:50	M	M 207	staff
20			12:00-12:50	Tu Th	Wham 105	staff
			12:00-12:50	W	M 207	staff
21			12:00-12:50	Tu Th	Wham 105	staff
			1:00-1:50	Th	M 207	staff
22			12:00-12:50	Tu Th	Wham 105	staff
			12:00-12:50	F	M 207	staff
23			12:00-12:50	Tu Th	Wham 105	staff
			12:00-12:50	F	M 209	staff
24			12:00-12:50	Tu Th	Wham 105	staff
			12:00-12:50	M	M 209	staff

32 GENERAL STUDIES AREA B (GSB)

Course No. & Hours		Descriptive Title		Days		Bldg & Room		Prerequisite
Fall	Winter	Spring	Time					Instructor
101c-3	Survey of Western Tradition (History)							101b
25		12:00-12:50	Tu Th			Wham 105		staff
		12:00-12:50	W			M 209		staff
26		3:00-3:50	Tu Th			Wham 105		staff
		3:00-3:50	M			M 206		staff
27		3:00-3:50	Tu Th			Wham 105		staff
		3:00-3:50	W			M 206		staff
28		3:00-3:50	Tu Th			Wham 105		staff
		3:00-3:50		F		M 206		staff
29		3:00-3:50	Tu Th			Wham 105		staff
		3:00-3:50	W			M 209		staff
30		3:00-3:50	Tu Th			Wham 105		staff
		3:00-3:50	M			M 210		staff
31		3:00-3:50	Tu Th			Wham 105		staff
		3:00-3:50	M			M 207		staff
32		3:00-3:50	Tu Th			Wham 105		staff
		3:00-3:50	W			M 207		staff
33		3:00-3:50	Tu Th			Wham 105		staff
		3:00-3:50		F		M 207		staff
34		3:00-3:50	Tu Th			Wham 105		staff
		3:00-3:50		F		M 209		staff
35		3:00-3:50	Tu Th			Wham 105		staff
		3:00-3:50	M			M 105		staff
36		6:00-6:50 P.M.	M W			Wham 105		staff
		7:35-8:25 P.M.	M			M 206		staff
37		6:00-6:50 P.M.	M W			Wham 105		staff
		6:00-6:50 P.M.	Tu			M 206		staff
38		6:00-6:50 P.M.	M W			Wham 105		staff
		6:00-6:50 P.M.		Th		M 206		staff
39		6:00-6:50 P.M.	M W			Wham 105		staff
		6:00-6:50 P.M.		Th		M 207		staff
40		6:00-6:50 P.M.	M W			Wham 105		staff
		6:00-6:50 P.M.	Tu			M 207		staff
41		6:00-6:50 P.M.	M W			Wham 105		staff
		6:00-6:50 P.M.	Tu			M 209		staff
42		6:00-6:50 P.M.	M W			Wham 105		staff
		6:00-6:50 P.M.		Th		M 209		staff
43		6:00-6:50 P.M.	M W			Wham 105		staff
		7:35-8:25 P.M.		W		M 209		staff
44		6:00-6:50 P.M.	M W			Wham 105		staff
		4:00-4:50		Th		M 203		staff
45		6:00-6:50 P.M.	M W			Wham 105		staff
		4:00-4:50	M			M 215		staff
	1	9:00-9:50	Tu Th			Furr		staff
		9:00-9:50			S	M 206		staff
	2	9:00-9:50	Tu Th			Furr		staff
		9:00-9:50			S	M 207		staff
	3	9:00-9:50	Tu Th			Furr		staff
		9:00-9:50			S	M 209		staff
	4	9:00-9:50	Tu Th			Furr		staff
		8:00-8:50		F		M 107		staff
	5	9:00-9:50	Tu Th			Furr		staff
		10:00-10:50			S	M 206		staff
	6	9:00-9:50	Tu Th			Furr		staff
		10:00-10:50	M			M 206		staff
	7	9:00-9:50	Tu Th			Furr		staff
		10:00-10:50		Th		M 206		staff
	8	9:00-9:50	Tu Th			Furr		staff
		10:00-10:50		Th		M 207		staff

Course No.	Hours	Descriptive Title	Days	Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring	Time		
9		9:00-9:50	Tu Th	Furr	staff
		9:00-9:50	W	M 209	staff
10		9:00-9:50	Tu Th	Furr	staff
		9:00-9:50	F	M 209	staff
11		9:00-9:50	Tu Th	Furr	staff
		10:00-10:50	M	M 105	staff
12		9:00-9:50	Tu Th	Furr	staff
		8:00-8:50	W	M 105	staff
13		9:00-9:50	Tu Th	Furr	staff
		10:00-10:50	W	M 201	staff
14		9:00-9:50	Tu Th	Furr	staff
		10:00-10:50	M	M 203	staff
15		9:00-9:50	M W F	Furr	staff
16		4:00-4:50	Tu Th	Furr	staff
		4:00-4:50	M	M 206	staff
17		4:00-4:50	Tu Th	Furr	staff
		4:00-4:50	W	M 206	staff
18		4:00-4:50	Tu Th	Furr	staff
		4:00-4:50	M	M 209	staff
19		4:00-4:50	Tu Th	Furr	staff
		4:00-4:50	W	M 209	staff
20		4:00-4:50	Tu Th	Furr	staff
		4:00-4:50	F	M 209	staff
21		4:00-4:50	Tu Th	Furr	staff
		4:00-4:50	M	M 210	staff
22		4:00-4:50	Tu Th	Furr	staff
		4:00-4:50	M	M 102	staff
23		4:00-4:50	Tu Th	Furr	staff
		4:00-4:50	W	M 102	staff
24		4:00-4:50	Tu Th	Furr	staff
		4:00-4:50	W	M 102A	staff
25		4:00-4:50	Tu Th	Furr	staff
		4:00-4:50	F	M 107	staff
26		4:00-4:50	Tu Th	Furr	staff
		3:00-3:50	F	M 203	staff
27		4:00-4:50	Tu Th	Furr	staff
		2:00-2:50	Tu	M 206	staff
28		4:00-4:50	Tu Th	Furr	staff
		2:00-2:50	Th	M 206	staff
29		4:00-4:50	Tu Th	Furr	staff
		3:00-3:50	Tu	M 102	staff
30		4:00-4:50	M W F	Furr	staff
31		6:00-6:50 P.M.	M W	Wham 105	staff
		6:00-6:50 P.M.	Tu	M 206	staff
32		6:00-6:50 P.M.	M W	Wham 105	staff
		6:00-6:50 P.M.	Th	M 206	staff
33		6:00-6:50 P.M.	M W	Wham 105	staff
		6:00-6:50 P.M.	Th	M 207	staff
34		6:00-6:50 P.M.	M W	Wham 105	staff
		6:00-6:50 P.M.	Tu	M 207	staff
35		6:00-6:50 P.M.	M W	Wham 105	staff
		7:35-8:25 P.M.	W	M 206	staff
36		6:00-6:50 P.M.	M W	Wham 105	staff
		7:35-8:25 P.M.	Th	M 207	staff
37		6:00-6:50 P.M.	M W	Wham 105	staff
		6:00-6:50 P.M.	Tu	M 102	staff
38		6:00-6:50 P.M.	M W	Wham 105	staff
		6:00-6:50 P.M.	Th	M 102	staff

34 GENERAL STUDIES AREA B (GSB)

Course No. & Hours		Descriptive Title		Days		Bldg & Room		Prerequisite Instructor
Fall	Winter	Spring	Time					
		39	6:00-6:50 P.M.	M	W	Wham 105		staff
			3:00-3:50		Th	M 102		staff
		40	6:00-6:50 P.M.	M	W	Wham 105		staff
			7:35-8:25 P.M.		Th	M 102		staff
201a-3 Culture, Society and Behavior (Anthropology)								101a, 101b, 101c
		1	8:00-8:50	Tu	Th	HEc 303		Mr Hegler
			8:00-8:50		F	HEc 303		Mr Hegler
		2	8:00-8:50	Tu	Th	HEc 303		Mr Hegler
			8:00-8:50		F	HEc 306		staff
		1	9:00-9:50	Tu	Th	M 304		Mr Handler
			9:00-9:50		F	Wham 210		Mr Handler
		2	9:00-9:50	Tu	Th	M 304		Mr Handler
			9:00-9:50		F	Wham 326		staff
		3	9:00-9:50	Tu	Th	M 304		Mr Handler
			8:00-8:50		F	HEc 301		staff
		4	9:00-9:50	Tu	Th	M 304		Mr Handler
			10:00-10:50		S	HEc 120		staff
		5	9:00-9:50		WTh	HEc 206		Mrs Townsend
			9:00-9:50		F	HEc 206		Mrs Townsend
		6	9:00-9:50		WTh	HEc 206		Mrs Townsend
			9:00-9:50		F	Wham 327		staff
		3	9:00-9:50	TuW		HEc 206		Mrs Townsend
			9:00-9:50		Th	HEc 206		Mrs Townsend
		4	9:00-9:50	TuW		HEc 206		Mrs Townsend
			9:00-9:50		Th	HEc 301		staff
		1	9:00-9:50	TuW		HEc 206		Mr Anderson
			9:00-9:50		Th	HEc 206		Mr Anderson
		2	9:00-9:50	TuW		HEc 206		Mr Anderson
			9:00-9:50		Th	Wham 305		staff
		7	5	TuW		HEc 206		Mrs Townsend
			10:00-10:50		F	HEc 206		Mrs Townsend
		8	6	TuW		HEc 206		Mrs Townsend
			10:00-10:50		F	Gym 203		staff
		3	10:00-10:50	M	W	HEc 206		Mrs Townsend
			10:00-10:50		Th	HEc 206		Mrs Townsend
		4	10:00-10:50	M	W	HEc 206		Mrs Townsend
			10:00-10:50		Th	HEc 118		staff
		9	7	5	M	W	Ag 102	staff
			11:00-11:50		F	Gym 203		staff
		10	8	6	M	W	Ag 102	staff
			11:00-11:50		F	Wham 210		staff
		11	9	7	M	W	Ag 102	staff
			2:00-2:50		F	Gym 204		staff
		12	10	8	M	W	Ag 102	staff
			3:00-3:50		F	M 104		staff
		13	11	9	M	W	Ag 102	staff
			4:00-4:50		F	HEc 208		staff
		14	12	10	M	W	Ag 102	staff
			8:00-8:50		S	HEc 306		staff
		15	13	11	M	W	Ag 102	staff
			9:00-9:50		S	HEc 306		staff
		16	14	12	M	W	Ag 102	staff
			11:00-11:50		S	HEc 306		staff
		17	15	13	M	W	Ag 102	staff
			11:00-11:50		S	HEc 306		staff
		18			M	W	LS 133	Mr Anderson
			12:00-12:50		F	HEc 306		Mr Anderson
		19			M	W	LS 133	Mr Anderson
			12:00-12:50		F	HEc 306		staff
			8:00-8:50		F	HEc 306		staff

Course No.	Hours		Descriptive Title		Days		Bldg & Room		Prerequisite Instructor
Fall	Winter	Spring	Time						
20			12:00-12:50	M	W		LS 133	Mr Anderson	
			12:00-12:50			F	HEc 128	staff	
21			12:00-12:50	M	W		LS 133	Mr Anderson	
			10:00-10:50			S	HEc 303	staff	
	16	14	12:00-12:50	M	W		HEc 206	staff	
			12:00-12:50			F	HEc 206	staff	
	17	15	12:00-12:50	M	W		HEc 206	staff	
			12:00-12:50			F	HEc 306	staff	
22	18		1:00-1:50	M	W		HEc 206	Mr Handler	
			1:00-1:50			Th	HEc 206	Mr Handler	
23	19		1:00-1:50	M	W		HEc 206	Mr Handler	
			1:00-1:50			Th	HEc 201	staff	
		16	1:00-1:50	M	W		HEc 206	Mrs Townsend	
			1:00-1:50			Th	HEc 206	Mrs Townsend	
		17	1:00-1:50	M	W		HEc 206	Mrs Townsend	
			1:00-1:50			Th	HEc 306	staff	
24			2:00-2:50	M	W		HEc 301	Mr Handler	
			2:00-2:50			F	Wham 203	Mr Handler	
25			2:00-2:50	M	W		HEc 301	Mr Handler	
			2:00-2:50			F	Wham 208	staff	
	20		2:00-2:50	MTu			HEc 206	Mr Anderson	
			2:00-2:50			F	HEc 206	Mr Anderson	
	21		2:00-2:50	MTu			HEc 206	Mr Anderson	
			2:00-2:50			F	Wh 113	staff	
		18	2:00-2:50	MTu			HEc 301	Mr Handler	
			2:00-2:50		W		HEc 301	Mr Handler	
	19		2:00-2:50	MTu			HEc 301	Mr Handler	
			2:00-2:50		W		HEc 104	staff	
	20		2:00-2:50	M	W		HEc 303	Mrs Townsend	
			2:00-2:50			F	HEc 303	Mrs Townsend	
	21		2:00-2:50	M	W		HEc 303	Mrs Townsend	
			2:00-2:50			F	Gym 204	staff	
201b-3 Culture, Society and Behavior (Sociology)									201c
1	1	1	8:00-8:50	M	W	F	Wham 208	staff	
2	2	2	8:00-8:50		Tu	Th S	Wham 208	staff	
3		3	9:00-9:50	M	W	F	Wham 228	staff	
	3		9:00-9:50	M	W	F	Wham 202	staff	
4			9:00-9:50		Tu	Th S	Wham 112	staff	
	4		9:00-9:50		Tu	Th S	Wham 202	staff	
		4	9:00-9:50		Tu	Th S	Wham 308	staff	
5 ¹	5 ¹	5 ¹	9:00-9:50	M	W	F	Bailey	Mr Tucker	
6 ¹	6 ¹	6 ¹	10:00-10:50	M	W	F	Bailey	Mr Tucker	
7	7	7	10:00-10:50		Tu	Th S	Wham 210	staff	
8	8	8	11:00-11:50	M	W	F	Wham 228	staff	
9	9	9	11:00-11:50		Tu	Th S	M 102	staff	
T10	T10	T10	11:00-11:50	M	W	F	M 102	staff	
11	11	11	12:00-12:50		TuWTh		Wham 210	staff	
12	12	12	12:00-12:50	M	W	F	Wham 208	staff	
T13	T13		1:00-1:50		Tu	ThF	M 107	staff	
		T13	1:00-1:50		TuWTh		Wham 326	staff	
14	14	14	2:00-2:50	M	W	F	Wham 303	staff	
T15	T15	T15	2:00-2:50		TuWTh		M 102	staff	
T16	T16		2:00-2:50	M	W	F	M 107	staff	
		16	2:00-2:50	M	W	F	Wham 228	staff	
T17	T17	T17	2:00-2:50		TuWTh		M 102A	staff	
18	18	T18	3:00-3:50	M	W	F	M 102A	staff	
19	19	19	3:00-3:50		Tu	Th	M 102A	staff	
			3:00-3:50		W		HEc 106	staff	

¹ Open to Thompson Point residents only.

36 GENERAL STUDIES AREA B (GSB)

Course No. & Hours		Descriptive Title		Days			Bldg & Room		Prerequisite Instructor
Fall	Winter	Spring	Time						
201b-3 Culture, Society and Behavior (Sociology) 201c									
20	20	20	4:00-4:50	M	W	F	Wham 201	staff	
21	21	21	4:00-4:50	TuWTh			Wham 326	staff	
22	22	22	6:00-7:25 P.M.	M	W		Wham 112	staff	
23	23	23	6:00-7:25 P.M.	Tu Th			Wham 112	staff	
24	24	24	7:35-9:00 P.M.	M	W		Wham 112	staff	
25	25	25	7:35-9:00 P.M.	Tu Th			Wham 112	staff	
201c-3 Culture, Society and Behavior (Psychology) 201a									
1		1	11:00-11:50	M	W		Wham 105	Mr Carrier	
			8:00-9:50		Th		Wham 228	staff	
	1		11:00-11:50	M	W		Wham 105	Mr Carrier	
			8:00-9:50		Th		Ag 216	staff	
2	2	2	11:00-11:50	M	W		Wham 105	Mr Carrier	
			10:00-11:50		Th		Ag 154	staff	
3	3	3	11:00-11:50	M	W		Wham 105	Mr Carrier	
			1:00-2:50		Th		Ag 154	staff	
4	4	4	11:00-11:50	M	W		Wham 105	Mr Carrier	
			3:00-4:50		Th		Ag 146	staff	
5	5	5	11:00-11:50	M	W		Wham 105	Mr Carrier	
			8:00-9:50			F	Ag 154	staff	
6	6	6	11:00-11:50	M	W		Wham 105	Mr Carrier	
			10:00-11:50			F	Ag 116	staff	
7	7	7	11:00-11:50	M	W		Wham 105	Mr Carrier	
			1:00-2:50			F	Ag 154	staff	
8			11:00-11:50	M	W		Wham 105	Mr Carrier	
			3:00-4:50			F	Ag 144	staff	
	8	8	11:00-11:50	M	W		Wham 105	Mr Carrier	
			3:00-4:50			F	Ag 116	staff	
T9	T9	T9	11:00-11:50	M	W		Wham 105	Mr Carrier	
			8:00-9:50			S	Ag 148	staff	
T10	T10	T10	11:00-11:50	M	W		Wham 105	Mr Carrier	
			10:00-11:50			S	Ag 148	staff	
11	11	11	4:00-4:50	M	W		Wham 105	Mr Carrier	
			8:00-9:50		Th		Ag 166	staff	
12	12		4:00-4:50	M	W		Wham 105	Mr Carrier	
			10:00-11:50		Th		Ag 116	staff	
		12	4:00-4:50	M	W		Wham 105	Mr Carrier	
			10:00-11:50		Th		Ag 148	staff	
13			4:00-4:50	M	W		Wham 105	Mr Carrier	
			1:00-2:50		Th		Ag 144	staff	
	13		4:00-4:50	M	W		Wham 105	Mr Carrier	
			1:00-2:50		Th		Ag 172	staff	
		13	4:00-4:50	M	W		Wham 105	Mr Carrier	
			1:00-2:50		Th		Ag 146	staff	
14	14	14	4:00-4:50	M	W		Wham 105	Mr Carrier	
			3:00-4:50		Th		Ag 172	staff	
15	15		4:00-4:50	M	W		Wham 105	Mr Carrier	
			8:00-9:50			F	Ag 148	staff	
		15	4:00-4:50	M	W		Wham 105	Mr Carrier	
			8:00-9:50			F	Ag 146	staff	
16	16	16	4:00-4:50	M	W		Wham 105	Mr Carrier	
			10:00-11:50			F	Ag 224	staff	
17	17	17	4:00-4:50	M	W		Wham 105	Mr Carrier	
			1:00-2:50			F	Ag 168	staff	
18		18	4:00-4:50	M	W		Wham 105	Mr Carrier	
			3:00-4:50			F	Ag 154	staff	
	18		4:00-4:50	M	W		Wham 105	Mr Carrier	
			3:00-4:50			F	Ag 168	staff	

Course No. & Hours —			Descriptive Title	Days	Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring	Time			
T19	T19	T19	4:00-4:50	M W	Wham 105	Mr Carrier
			8:00-9:50		Ag 154	staff
T20	T20	T20	4:00-4:50	M W	Wham 105	Mr Carrier
			10:00-11:50		Ag 154	staff
211a-3 Political Economy						
1			9:00-9:50	M W F	Wham 105	Mr Hand
		1	9:00-9:50	M W F	Wham 308	Mr Hand
	1		1:00-1:50	M W F	Wham 105	Mr Hand
2		2	3:00-3:50	M W F	Wham 105	Mr Hand
3			6:00-7:25 P.M.	Tu Th	M 213	Mr Martinsek
	2		6:00-7:25 P.M.	M W	Ag 166	Mr Hand
211b-3						
1	1	1	8:00-8:50	M W F	HEc 201	staff
2	2	2	8:00-8:50	Tu Th S	HEc 201	staff
3	3	3	9:00-9:50	M W F	HEc 201	staff
4	4	4	9:00-9:50	Tu Th S	HEc 201	staff
5	5	5	10:00-10:50	M W F	HEc 201	staff
6	6	6	10:00-10:50	Tu Th S	HEc 201	staff
7	7	7	11:00-11:50	M W F	HEc 201	staff
8	8	8	11:00-11:50	Tu Th S	HEc 201	staff
9	9	9	12:00-12:50	M W F	HEc 201	staff
10	10	10	1:00-1:50	M W F	HEc 201	staff
11	11	11	1:00-1:50	M W F	BrownH	staff
12	12	12	2:00-2:50	M W F	HEc 201	staff
		13	2:00-2:50	Tu ThF	HEc 303	staff
		14	3:00-3:50	M W F	M 107	staff
13	15	13	3:00-3:50	M W F	HEc 201	staff
14	16	14	4:00-4:50	M W F	HEc 201	staff
15	17	15	6:00-7:25 P.M.	Tu Th	HEc 201	staff
	18		6:00-7:25 P.M.	Tu Th	HEc 208	staff
16	19	16	7:35-9:00 P.M.	Tu Th	HEc 201	staff
	20		7:35-9:00 P.M.	Tu Th	HEc 303	staff
211c-3						
	1		10:00-10:50	Tu Th S	Ag 166	staff
	2	T1	10:00-10:50	M W F	Ag 166	staff
1			11:00-11:50	Tu Th S	Wham 308	Mr Wiegand
	T3		4:00-4:50	M WTh	Wham 308	staff
		2	4:00-4:50	Tu ThF	Wham 308	Mr Wiegand
		3	6:00-7:25 P.M.	Tu Th	M 213	Mr Wiegand
2	4	4	8:00-8:50	Tu Th S	HEc 203	staff
		5	8:00-8:50	M W F	HEc 203	staff
3	5	6	9:00-9:50	Tu Th S	HEc 203	staff
		7	9:00-9:50	M W F	HEc 203	staff
	6	8	11:00-11:50	Tu Th S	HEc 203	staff
		9	11:00-11:50	M W F	HEc 203	staff
4	7	10	12:00-12:50	M W F	HEc 203	staff
	8	11	1:00-1:50	M W F	HEc 203	staff
5	9	12	2:00-2:50	M W F	HEc 203	staff
		13	3:00-3:50	M W F	HEc 203	staff
6	10		6:00-7:25 P.M.	Tu Th	HEc 203	staff
7	11	14	7:35-9:00 P.M.	Tu Th	HEc 203	staff
303-3 International Relations						
1	1		8:00-8:50	M W F	HEc 203	Mr Landecker
2	2		9:00-9:50	M W F	HEc 203	Mr Landecker
		1	10:00-10:50	M W F	HEc 203	Mr Abbass
	3		11:00-11:50	M W F	M 201	Mr Klingberg
		2	2:00-2:50	M W F	HEc 118	Mr Jacobini
3			3:00-3:50	M W F	HEc 203	Mr Klingberg
		3	3:00-3:50	M W F	HEc 118	Mr Jacobini

38 GENERAL STUDIES AREA B (GSB)

Course No. & Hours			Descriptive Title		Days		Bldg & Room		Prerequisite Instructor
Fall	Winter	Spring	Time						
311-3 Economic Development of the U.S.									101a or 211c
1			9:00-9:50		MTuW		Wham 202		Mr Layer
		1	9:00-9:50		Tu ThF		Wham 202		Mr Ellis
	T1		10:00-10:50		TuWTh		Wham 202		Mr Layer
	2		2:00-2:50		MTuW		Wham 202		Mr Ellis
2			4:00-4:50		MTu Th		Wham 308		Mr Ellis
		T2	4:00-4:50		MTuW		Wham 110		Mr Layer
312-3 Comparative Economic Systems									211c
1			4:00-4:50		M W F		Wham 112		Mr Wells
314-3 Economic Analysis of the Agricultural Policies of the United States									211a, 211b, 211c
1			8:00-8:50		TuW F		Ag 225		Mr Haag
1			8:00-8:50		TuW F		Ag 225		Mr Haag
		2	8:00-8:50		TuWTh		Ag 225		Mr Haag
321-3 Socialization of the Individual									201b
1	1	1	1:00-1:50		M W		Wham 307		staff
			1:00-1:50			F	Wham 317		staff
T2	T2	T2	4:00-4:50		M W F		Wham 303		staff
331-3 The American Educational Systems									
1	1	1	8:00-8:50		M W F		Wham 205	Mr Brammell	
2	2	2	8:00-8:50		Tu Th S		Wham 205		staff
3	3	3	9:00-9:50		M W F		Wham 205	Mr Brammell	
4	4	4	10:00-10:50		M W F		Wham 205		staff
5	5	5	11:00-11:50		M W F		Wham 205		staff
T6	T6	T6	12:00-12:50		M W F		Wham 205		staff
7	7	7	1:00-1:50		M W F		Wham 205		staff
8	8	8	2:00-2:50		M W F		Wham 205		staff
9	9	9	3:00-3:50		M W F		Wham 205		staff
	T10	T10	4:00-4:50		M W F		Wham 205		staff
341-3 Marriage									201b
1	1	1	8:00-8:50		M W F		Wham 201		staff
2	2	2	12:00-12:50		MTuW		Wham 327	Miss Snyder	
T3	T3	T3	2:00-2:50		MTuW		Wham 201	Miss Snyder	
T4	T4	T4	6:00-7:25 P.M.		Tu Th		Wham 208		staff
385-3 Contemporary Political Isms									211b
		1	3:00-3:50		M W F		M 203B	Mr Kamarasy	
390-3 Introduction to Comparative Government									211b or Govt 231
1			11:00-11:50		M W F		M 201	Mr Hardenbergh	
2			12:00-12:50		M W F		M 201	Mr Hardenbergh	
		1	1:00-1:50		M W F		M 203B	Mr Hardenbergh	
		2	2:00-2:50		M W F		M 203B	Mr Hardenbergh	
	1		3:00-3:50		M W F		HEc 203	Mr Hardenbergh	
	2		4:00-4:50		M W F		HEc 203	Mr Hardenbergh	
392-3 Introduction to Latin-American Government and Politics									211b
		1	11:00-11:50		M W F		M 203B	Mr Morton	

GENERAL STUDIES AREA C—MAN'S INSIGHTS and APPRECIATIONS (GSC)

100-3 Music Understanding								
1	1	1	8:00-8:50		Tu Th S		Alg 115	staff
2	2	2	9:00-9:50		M W F		Alg 115	staff
3	3	3	9:00-9:50		Tu Th S		Alg 115	staff
4	4	4	2:00-2:50		M W F		Wham 105	staff
5	5	5	2:00-2:50		M W F		Alg 115	staff
101-3 Art Appreciation								
1	1	1	9:00-9:50		Tu Th		Wham 105	staff
			8:00-9:50		M		A 115	staff

Course No.	Hours —	Descriptive Title	Time	Days	Bldg. & Room	Prerequisite Instructor
Fall	Winter	Spring				
2	2	2	9:00-9:50	Tu Th	Wham 105	staff
			8:00-9:50	S	A 112	staff
3	3	3	9:00-9:50	Tu Th	Wham 105	staff
			3:00-4:50	M	A 106	staff
4	4	4	9:00-9:50	Tu Th	Wham 105	staff
			1:00-2:50	M	A 106	staff
5	5	5	9:00-9:50	Tu Th	Wham 105	staff
			1:00-2:50	F	A 106	staff
6	6	6	9:00-9:50	Tu Th	Wham 105	staff
			3:00-4:50	W	A 106	staff
7	7	7	9:00-9:50	Tu Th	Wham 105	staff
			11:00-12:50	F	A 106	staff
8	8	8	9:00-9:50	Tu Th	Wham 105	staff
			8:00-9:50	W	A 115	staff
9	9	9	9:00-9:50	Tu Th	Wham 105	staff
			10:00-11:50	S	A 102	staff
10	10	10	9:00-9:50	Tu Th	Wham 105	staff
			11:00-12:50	M	A 106	staff
11	11	11	2:00-2:50	Tu Th	Wham 105	staff
			8:00-9:50	Th	A 115	staff
12	12	12	2:00-2:50	Tu Th	Wham 105	staff
			1:00-2:50	W	A 106	staff
13	13	13	2:00-2:50	Tu Th	Wham 105	staff
			8:00-9:50	Tu	A 114	staff
14	14	14	2:00-2:50	Tu Th	Wham 105	staff
			8:00-9:50	Th	A 112	staff
15	15	15	2:00-2:50	Tu Th	Wham 105	staff
			8:00-9:50	F	A 115	staff
16	16	16	2:00-2:50	Tu Th	Wham 105	staff
			8:00-9:50	S	A 102	staff
17	17	17	2:00-2:50	Tu Th	Wham 105	staff
			11:00-12:50	W	A 106	staff
18	18	18	2:00-2:50	Tu Th	Wham 105	staff
			8:00-9:50	S	A 115	staff
19	19	19	2:00-2:50	Tu Th	Wham 105	staff
			10:00-11:50	S	A 115	staff
20	20	20	2:00-2:50	Tu Th	Wham 105	staff
			8:00-9:50	S	A 202	staff
21	21	21	8:00-8:50	W F	A 106	staff
			10:00-11:50	S	A 202	staff
22	22	22	10:00-10:50	W F	A 106	staff
			8:00-9:50	S	A 106	staff
23	23	23	8:00-8:50	M W F	A 102	staff
24	24	24	12:00-12:50	M W F	A 102	staff
102-3	Problems of Moral Decision					
1	1	1	11:00-11:50	Tu Th	Wham 105	staff
			12:00-12:50	Th	HEc 201	staff
2	2	2	11:00-11:50	Tu Th	Wham 105	staff
			1:00-1:50	Th	HEc 303	staff
3			11:00-11:50	Tu Th	Wham 105	staff
			9:00-9:50	F	Wham 206	staff
	3	3	11:00-11:50	Tu Th	Wham 105	staff
			9:00-9:50	F	HEc 206	staff
4	4	4	11:00-11:50	Tu Th	Wham 105	staff
			10:00-10:50	F	HEc 301	staff
5	5	5	11:00-11:50	Tu Th	Wham 105	staff
			1:00-1:50	F	HEc 303	staff
6	6	6	11:00-11:50	Tu Th	Wham 105	staff
			2:00-2:50	F	HEc 301	staff

40 GENERAL STUDIES AREA C (GSC)

Course	No. & Hours	—	Descriptive Title	Days	Bldg & Room	Prerequisite
	Fall	Winter	Spring	Time		Instructor
102-3	Problems of Moral Decision					
	7	7	7	11:00-11:50	Tu Th	Wham 105 staff
				9:00-9:50	S	HEc 301 staff
	8	8	8	11:00-11:50	Tu Th	Wham 105 staff
				10:00-10:50	S	HEc 301 staff
		9		1:00-1:50	Tu Th	Wham 105 staff
				8:00-8:50	M	Wham 210 staff
	9		9	1:00-1:50	Tu Th	Wham 105 staff
				8:00-8:50	M	HEc 206 staff
	10	10	10	1:00-1:50	Tu Th	Wham 105 staff
				9:00-9:50	M	HEc 303 staff
	11	11	11	1:00-1:50	Tu Th	Wham 105 staff
				10:00-10:50	M	HEc 303 staff
	12	12	12	1:00-1:50	Tu Th	Wham 105 staff
				11:00-11:50	M	HEc 301 staff
	13	13	13	1:00-1:50	Tu Th	Wham 105 staff
				8:00-8:50	Tu	HEc 301 staff
	14	14	14	1:00-1:50	Tu Th	Wham 105 staff
				9:00-9:50	Tu	HEc 301 staff
	15	15	15	1:00-1:50	Tu Th	Wham 105 staff
				10:00-10:50	Tu	HEc 301 staff
	16	16	16	1:00-1:50	Tu Th	Wham 105 staff
				11:00-11:50	Tu	HEc 301 staff
	17			3:00-3:50	Tu Th	LS 133 staff
				8:00-8:50	F	HEc 128 staff
	18			3:00-3:50	Tu Th	LS 133 staff
				9:00-9:50	F	HEc 303 staff
		17		3:00-3:50	Tu Th	LS 133 staff
				8:00-8:50	F	M 215 staff
		17		3:00-3:50	Tu Th	LS 133 staff
				8:00-8:50	F	HEc 120 staff
		18		3:00-3:50	Tu Th	LS 133 staff
				9:00-9:50	F	Wham 326 staff
		18		3:00-3:50	Tu Th	LS 133 staff
				9:00-9:50	F	HEc 208 staff
	19			3:00-3:50	Tu Th	LS 133 staff
				10:00-10:50	F	HEc 303 staff
		19		3:00-3:50	Tu Th	LS 133 staff
				10:00-10:50	F	HEc 208 staff
		19		3:00-3:50	Tu Th	LS 133 staff
				10:00-10:50	F	HEc 206 staff
	20	20	20	3:00-3:50	Tu Th	LS 133 staff
				11:00-11:50	F	HEc 301 staff
	21	21	21	3:00-3:50	Tu Th	LS 133 staff
				12:00-12:50	F	HEc 301 staff
		22	22	3:00-3:50	Tu Th	LS 133 staff
				1:00-1:50	F	HEc 301 staff
	22			3:00-3:50	Tu Th	LS 133 staff
				1:00-1:50	F	HEc 203 staff
	23	23	23	3:00-3:50	Tu Th	LS 133 staff
				9:00-9:50	S	HEc 206 staff
	24	24	24	3:00-3:50	Tu Th	LS 133 staff
				10:00-10:50	S	HEc 203 staff
	25		25	7:35-8:25 P.M.	Tu Th	Wham 105 staff
				8:00-8:50	F	HEc 206 staff
		25		7:35-8:25 P.M.	Tu Th	Wham 105 staff
				8:00-8:50	F	Wham 210 staff
	26			7:35-8:25 P.M.	Tu Th	Wham 105 staff
				9:00-9:50	F	HEc 301 staff

Course No. & Hours		Descriptive Title		Days		Bldg & Room		Prerequisite Instructor
Fall	Winter	Spring	Time					
27			7:35-8:25 P.M.	Tu	Th	Wham 105		staff
			10:00-10:50		F	HEc 208		staff
	26	26	7:35-8:25 P.M.	Tu	Th	Wham 105		staff
			9:00-9:50		F	Wham 210		staff
	27	27	7:35-8:25 P.M.	Tu	Th	Wham 105		staff
			10:00-10:50		F	Wham 328		staff
28	28	28	7:35-8:25 P.M.	Tu	Th	Wham 105		staff
			11:00-11:50		F	HEc 206		staff
		29	7:35-8:25 P.M.	Tu	Th	Wham 105		staff
			12:00-12:50		F	Wham 112		staff
29	29		7:35-8:25 P.M.	Tu	Th	Wham 105		staff
			12:00-12:50		F	HEc 118		staff
30	30	30	7:35-8:25 P.M.	Tu	Th	Wham 105		staff
			1:00-1:50		F	HEc 206		staff
31	31	31	7:35-8:25 P.M.	Tu	Th	Wham 105		staff
			9:00-9:50	M		HEc 206		staff
32	32	32	7:35-8:25 P.M.	Tu	Th	Wham 105		staff
			10:00-10:50	M		HEc 301		staff
103-3 Masterpieces of Literature								
1			9:00-9:50	M	W	LS 133		staff
			9:00-9:50		Tu	Wham 305		staff
2			9:00-9:50	M	W	LS 133		staff
			9:00-9:50		Th	Wham 305		staff
3			9:00-9:50	M	W	LS 133		staff
			9:00-9:50		Tu	Wham 307		staff
4			9:00-9:50	M	W	LS 133		staff
			9:00-9:50		Th	Wham 307		staff
5			9:00-9:50	M	W	LS 133		staff
			9:00-9:50		Tu	Wham 319		staff
6			9:00-9:50	M	W	LS 133		staff
			9:00-9:50		Th	Wham 319		staff
7			9:00-9:50	M	W	LS 133		staff
			9:00-9:50		Tu	Wham 321		staff
8			9:00-9:50	M	W	LS 133		staff
			9:00-9:50		Th	Wham 321		staff
9			9:00-9:50	M	W	LS 133		staff
			9:00-9:50		Tu	Wham 303		staff
10			9:00-9:50	M	W	LS 133		staff
			9:00-9:50		Th	Wham 303		staff
11			9:00-9:50	M	W	LS 133		staff
			9:00-9:50		Tu	HEc 122		staff
12			9:00-9:50	M	W	LS 133		staff
			9:00-9:50		Th	HEc 122		staff
	1		8:00-8:50	MTu	Th	Wham 321		staff
	2		8:00-8:50	MTu	Th	Wham 303		staff
	3		8:00-8:50	MTu	Th	M 301		staff
	4		8:00-8:50	MTu	Th	M 302		staff
	5		8:00-8:50	MTu	Th	M 303		staff
	6		8:00-8:50	MTu	Th	M 305		staff
	7		8:00-8:50	MTu	Th	M 305A		staff
	8		8:00-8:50	MTu	Th	M 306		staff
	9		8:00-8:50	MTu	Th	M 308		staff
	10		8:00-8:50	MTu	Th	M 313		staff
	T11		8:00-8:50	MTu	Th	M 307		staff
	T12		8:00-8:50	MTu	Th	HEc 122		staff
	T13		8:00-8:50	MTu	Th	HEc 120		staff
	T14		8:00-8:50	MTu	Th	M 102		staff
	T15		8:00-8:50	MTu	Th	M 102A		staff

42 GENERAL STUDIES AREA C (GSC)

Course No. & Hours			Descriptive Title		Days		Bldg & Room		Prerequisite Instructor
Fall	Winter	Spring	Time						
103-3 Masterpieces of Literature									
			T16 8:00-8:50		MTu	Th	M 104		staff
			T17 8:00-8:50		MTu	Th	M 105		staff
			T18 8:00-8:50		MTu	Th	M 107		staff
			T19 8:00-8:50		MTu	Th	M 304		staff
		1	9:00-9:50		Tu	Th S	Wham 305		staff
		2	9:00-9:50		Tu	Th S	Wham 307		staff
		3	9:00-9:50		Tu	Th S	Wham 319		staff
		4	9:00-9:50		Tu	Th S	Wham 321		staff
		5 20	9:00-9:50		Tu	Th S	Wham 303		staff
		6 21	9:00-9:50		Tu	Th S	M 301		staff
		7 22	9:00-9:50		Tu	Th S	M 302		staff
		8 23	9:00-9:50		Tu	Th S	M 303		staff
		9 24	9:00-9:50		Tu	Th S	M 305		staff
		10 25	9:00-9:50		Tu	Th S	M 305A		staff
		11 26	9:00-9:50		Tu	Th S	M 306		staff
		12 27	9:00-9:50		Tu	Th S	M 308		staff
		13 T28	9:00-9:50		Tu	Th S	M 313		staff
			T29 9:00-9:50		Tu	Th S	M 307		staff
			T30 9:00-9:50		Tu	Th S	HEc 122		staff
			T31 9:00-9:50		Tu	Th S	HEc 120		staff
			T32 9:00-9:50		Tu	Th S	M 102		staff
			T33 9:00-9:50		Tu	Th S	M 102A		staff
			T34 9:00-9:50		Tu	Th S	M 104		staff
			T35 9:00-9:50		Tu	Th S	M 105		staff
			T36 9:00-9:50		Tu	Th S	M 107		staff
			T37 9:00-9:50		Tu	Th S	M 304		staff
13	14		1:00-1:50		Tu	ThF	Wham 305		staff
14	15		1:00-1:50		Tu	ThF	Wham 307		staff
15	16		1:00-1:50		Tu	ThF	Wham 319		staff
16	17		1:00-1:50		Tu	ThF	Wham 321		staff
17	18	38	1:00-1:50		Tu	ThF	Wham 303		staff
18	19	39	1:00-1:50		Tu	ThF	M 301		staff
19	20	40	1:00-1:50		Tu	ThF	M 302		staff
20	21	41	1:00-1:50		Tu	ThF	M 303		staff
21	22	42	1:00-1:50		Tu	ThF	M 305		staff
22	23	43	1:00-1:50		Tu	ThF	M 305A		staff
23	24	44	1:00-1:50		Tu	ThF	M 306		staff
24	25	45	1:00-1:50		Tu	ThF	M 308		staff
	26	T46	1:00-1:50		Tu	ThF	M 313		staff
		T47	1:00-1:50		Tu	ThF	M 307		staff
		T48	1:00-1:50		Tu	ThF	HEc 122		staff
		T49	1:00-1:50		Tu	ThF	HEc 120		staff
		T50	1:00-1:50		Tu	ThF	M 102		staff
		T51	1:00-1:50		Tu	ThF	M 102A		staff
		T52	1:00-1:50		Tu	ThF	M 104		staff
		T53	1:00-1:50		Tu	ThF	M 105		staff
		T54	1:00-1:50		Tu	ThF	M 107		staff
110a-3 Introduction to Western Humanities									
	1		11:00-11:50		M	W F	LS 133	Mr Plochmann	
110b-3									
	1		11:00-11:50		M	W F	LS 133	Mr Plochmann	110a
110c-3									
	1		11:00-11:50		M	W F	LS 133	Mr Plochmann	110b
201-3 Introduction to Drama									
	1	1	8:00-8:50			W FS	Wham 206		staff
	2	2	8:00-8:50		M	W F	Wham 228		staff
	3	3	10:00-10:50		M	WTh	M 304		staff

Course No.	Hours —			Descriptive Title	Days			Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring	Time						
4	4	4	10:00-10:50	M	W	F	Wham 307	staff	
5	5	5	11:00-11:50	M	W	F	M 302	staff	
6	6	6	11:00-11:50	M	W	F	M 306	staff	
7	7	7	12:00-12:50	M	W	F	M 302	staff	
8	8	8	12:00-12:50	M	W	F	HEc 303	staff	
9	9	9	1:00-1:50	M	W		M 314	staff	
			1:00-1:50		Th		Wham 110	staff	
10	10	10	2:00-2:50	M	WTh		M 314	staff	
11	11	11	2:00-2:50	M	WTh		Wham 307	staff	
12	12	12	3:00-3:50	M	W	F	HEc 301	staff	
13	13	13	3:00-3:50	M	W	F	M 304	staff	
14	14	14	4:00-4:50	M	W	F	HEc 301	staff	
15	15	15	4:00-4:50	M	WTh		M 105	staff	
16	16	16	6:00-7:25 P.M.	M	W		Wham 206	staff	
17	17	17	6:00-7:25 P.M.		Tu	Th	M 102A	staff	
18	18	18	7:35-9:00 P.M.	M	W		Wham 206	staff	
19	19	19	7:35-9:00 P.M.		Tu	Th	M 102A	staff	
20	20	20	7:35-9:00 P.M.		Tu	Th	M 104	staff	
202-3	Introduction to Poetry								103
1	1	1	8:00-8:50		W	FS	M 302	staff	
2	2	2	8:00-8:50	M			Wham 206	staff	
			8:00-8:50		W	F	M 301	staff	
3	3	3	9:00-9:50	M	W	F	M 302	staff	
T4	T4	T4	10:00-10:50	M	WTh		M 104	staff	
5	5	5	10:00-10:50	M	W	F	Wham 319	staff	
T6	T6	T6	10:00-10:50	M	W	F	Wham 303	staff	
7	7	7	11:00-11:50	M	W	F	Wham 319	staff	
8	8	8	11:00-11:50	M	W	F	Wham 321	staff	
T9	T9	T9	11:00-11:50	M	W	F	Wham 303	staff	
10	10	10	12:00-12:50	M	WTh		HEc 301	staff	
11	11	11	12:00-12:50	M	W	F	Gym 203	staff	
12	12		1:00-1:50	M	W		HEc 303	staff	
			1:00-1:50			F	M 102	staff	
13	13		1:00-1:50	M			Wham 201	staff	
			1:00-1:50		W		HEc 102	staff	
			1:00-1:50			F	M 102A	staff	
		12	1:00-1:50	M	W		HEc 303	staff	
			1:00-1:50			F	Wham 112	staff	
		13	1:00-1:50	M	W	F	Wham 202	staff	
T14	T14	T14	1:00-1:50	M	W		Wham 303	staff	
			1:00-1:50			F	Wh 107	staff	
15	15	15	2:00-2:50	M	WTh		Wham 319	staff	
16	16		2:00-2:50	M	WTh		M 304	staff	
		16	2:00-2:50	M	WTh		M 215	staff	
17			3:00-3:50	M	W	F	M 107	staff	
	17	17	3:00-3:50	M	W	F	HEc 206	staff	
T18	T18	T18	3:00-3:50	M	W	F	Wham 303	staff	
19	19	19	4:00-4:50	M	W	F	Wham 210	staff	
T20	T20	T20	6:00-7:25 P.M.		Tu	Th	M 107	staff	
203-3	Drama and the Arts of the Theater								
	1	1	10:00-10:50		W	F	M 314	Mr Stephenson	
			3:00-3:50		Th		M 104	staff	
	2	2	10:00-10:50		W	F	M 314	Mr Stephenson	
			4:00-4:50		Th		M 104	staff	
	3	3	10:00-10:50		W	F	M 314	Mr Stephenson	
			3:00-3:50			F	M 312	staff	
	4	4	10:00-10:50		W	F	M 314	Mr Stephenson	
			4:00-4:50			F	HEc 118	staff	

44 GENERAL STUDIES AREA C (GSC)

Course No. & Hours		Descriptive Title			Days			Bldg & Room		Prerequisite Instructor
Fall	Winter	Spring	Time							
204-3 Meaning in the Visual Arts										
1			1:00-1:50		M	W	F	Wham 105		staff
	1	1	3:00-3:50		M	W	F	Ag 102		staff
205-3 The Contemporary Environment										
1			11:00-12:50				F	Ag 102		Mr Cohen
			12:00-12:50			W		Ag 102		Mr Cohen
	1	1	10:00-10:50			W		Ag 102		Mr Cohen
			9:00-10:50				F	Ag 102		Mr Cohen
206-3 Foundations of Music										
1	1	1	8:00-8:50				Th	Alg 301		staff
			8:00-8:50		M		F	Alg 115		staff
2	2	2	9:00-9:50				Th	Alg 301		staff
			8:00-8:50		M		F	Alg 115		staff
3	3	3	8:00-8:50		M		F	Alg 115		staff
			10:00-10:50			W		Alg 301		staff
4	4	4	8:00-8:50		M		F	Alg 115		staff
			11:00-11:50				Th	Alg 301		staff
5	5	5	8:00-8:50		M		F	Alg 115		staff
			1:00-1:50				Th	Alg 244		staff
6	6	6	8:00-8:50		M		F	Alg 115		staff
			2:00-2:50				Th	Alg 244		staff
7	7	7	8:00-8:50		M		F	Alg 115		staff
			3:00-3:50				Th	Alg 244		staff
8	8	8	1:00-1:50			W	F	Alg 115		staff
			8:00-8:50		Tu			Alg 301		staff
9	9	9	1:00-1:50			W	F	Alg 115		staff
			9:00-9:50		Tu			Alg 301		staff
10	10	10	1:00-1:50			W	F	Alg 115		staff
			11:00-11:50		Tu			Alg 301		staff
11	11	11	1:00-1:50			W	F	Alg 115		staff
			4:00-4:50		Tu			Alg 301		staff
12	12	12	1:00-1:50			W	F	Alg 115		staff
			8:00-8:50		Tu			Alg 244		staff
13	13	13	1:00-1:50			W	F	Alg 115		staff
			1:00-1:50		Tu			Alg 244		staff
14	14	14	1:00-1:50			W	F	Alg 115		staff
			4:00-4:50		Tu			Alg 244		staff
15	15	15	2:00-2:50		Tu	Th		Alg 115		staff
			1:00-1:50		M			Alg 301		staff
16	16	16	2:00-2:50		Tu	Th		Alg 115		staff
			4:00-4:50		M			Alg 301		staff
17	17	17	2:00-2:50		Tu	Th		Alg 115		staff
			1:00-1:50		M			Alg 244		staff
18	18	18	2:00-2:50		Tu	Th		Alg 115		staff
			2:00-2:50		M			Alg 244		staff
19	19	19	2:00-2:50		Tu	Th		Alg 115		staff
			3:00-3:50		M			Alg 244		staff
20	20	20	2:00-2:50		Tu	Th		Alg 115		staff
			4:00-4:50		M			Alg 244		staff
21	21	21	2:00-2:50		Tu	Th		Alg 115		staff
			2:00-2:50				F	Alg 116		staff
207-3 Philosophy of the Beautiful										
1	1	1	9:00-9:50		Tu	Th		M 314		Mr McClure
			10:00-10:50			Th		HEc 203		staff
2	2	2	9:00-9:50		Tu	Th		M 314		Mr McClure
			1:00-1:50			Th		HEc 301		staff
3	3	3	9:00-9:50		Tu	Th		M 314		Mr McClure
			10:00-10:50				F	M 311		staff

Course No. & Hours	Fall	Winter	Spring	Descriptive Title Time	Days	Bldg & Room	Prerequisite Instructor
4	4	4	4	9:00-9:50 11:00-11:50	Tu Th F	M 314 M 304	Mr McClure staff
208-3	Logic	and	Meaning				
1	1	1	1	9:00-9:50 10:00-10:50	M W Th	Ag 102 M 102	staff staff
2	2	2	2	9:00-9:50 11:00-11:50	M W F	Ag 102 HEc 128	staff staff
3	3	3	3	9:00-9:50 11:00-11:50	M W Th	Ag 102 HEc 301	staff staff
4	4	4	4	9:00-9:50 12:00-12:50	M W Th	Ag 102 HEc 303	staff staff
T5	T5	T5	T5	9:00-9:50 10:00-10:50	M W W	Ag 102 HEc 301	staff staff
T6	T6	T6	T6	9:00-9:50 11:00-11:50	M W W	Ag 102 HEc 301	staff staff
T7	T7	T7	T7	9:00-9:50 9:00-9:50	M W Th	Ag 102 HEc 208	staff staff
T8	T8	T8	T8	9:00-9:50 10:00-10:50	M W Th	Ag 102 HEc 301	staff staff
209-3	Modern Literature:	Form and Idea					103
T1	T1	T1	T1	8:00-8:50	W FS	Wham 319	staff
2	2	2	2	8:00-8:50 8:00-8:50	Tu W F	HEc 206 M 305	staff staff
3	3	3	3	9:00-9:50	M W F	M 305	staff
4	4	4	4	9:00-9:50	Tu Th S	P 111	staff
5	5	5	5	10:00-10:50	M W F	M 301	staff
6	6	6	6	10:00-10:50	M W F	M 302	staff
7	7	7	7	11:00-11:50	M W F	M 301	staff
8	8	8	8	12:00-12:50	M W F	M 301	staff
T9	T9	T9	T9	12:00-12:50	M W F	Wham 228	staff
		10	10	1:00-1:50 1:00-1:50	M W F	M 302 M 312	staff staff
10	10			1:00-1:50	M W F	M 302 M 104	staff staff
11	11	11	11	2:00-2:50	M W F	M 301	staff
12	12	12	12	2:00-2:50	M W F	M 302	staff
13	13	13	13	3:00-3:50	M W F	M 301	staff
14	14	14	14	3:00-3:50	M W F	M 302	staff
15	15	15	15	4:00-4:50	M W F	M 301	staff
16	16	16	16	4:00-4:50	M W F	M 302	staff
17	17	17	17	6:00-7:25 P.M.	M W	M 107	staff
18	18	18	18	7:35-9:00 P.M.	M W	M 107	staff
210-3	Introduction to	Fiction					103
1	1	1	1	8:00-8:50	W FS	M 314	staff
2	2	2	2	8:00-8:50 8:00-8:50	Tu W F	Gym 203 M 305A	staff staff
3	3	3	3	9:00-9:50	M W F	M 306	staff
T4	T4	T4	T4	10:00-10:50	M W F	Wham 321	staff
5	5	5	5	10:00-10:50	M W F	M 305	staff
6	6	6	6	11:00-11:50	M W F	M 305	staff
7	7	7	7	11:00-11:50	M W F	M 305A	staff
8	8	8	8	12:00-12:50	M W F	M 305	staff
9	9	9	9	1:00-1:50 1:00-1:50	M W F	M 305 Wh 113	staff staff
10	10	10	10	2:00-2:50	M W F	M 305	staff
11	11	11	11	3:00-3:50	M W F	M 305	staff
12	12	12	12	3:00-3:50	M W F	M 305A	staff
13	13	13	13	4:00-4:50	M W F	M 305	staff

46 GENERAL STUDIES AREA C (GSC)

Course	No. & Hours	Descriptive Title			Days			Bldg & Room		Prerequisite Instructor	
	Fall	Winter	Spring	Time							
210-3	Introduction to Fiction										103
	14	14	14	4:00-4:50	M	W	F	M 305A		staff	
	15	15	15	6:00-7:25 P.M.	Tu	Th		M 104		staff	
	16	16	16	6:00-7:25 P.M.	M	W		HEc 118		staff	
	17	17	17	7:35-9:00 P.M.	Tu	Th		M 107		staff	
	18	18	18	7:35-9:00 P.M.	M	W		M 104		staff	
211a-3	Introduction to Oriental Humanities										
	1			9:00-9:50	M	W	F	M 314		Mr Harris	
211b-3											
		1		9:00-9:50	M	W	F	M 314		Mr Kuo	
211c-3											
			1	9:00-9:50	M	W	F	M 314		Mr Kuo	
310-3	Religious Foundations of Western Civilization										
	1			11:00-11:50	M	W	F	Wham 308		Mr Harris	
311-3	Philosophies and Religions of India										
		1		11:00-11:50	M	W	F	Wham 308		Mr Harris	
312-3	Philosophies and Religions of the Far East										
		1		11:00-11:50	M	W	F	Wham 308		Mr Harris	
313-3	Folklore										
	1			10:00-10:50	M	W	F	Wham 327		staff	
321-3	Revolution and Romanticism										
	1			8:00-8:50	M	W	F	HEc 122		Mr Grinnell	
335-3	Studies in Short Fiction										
		1		2:00-2:50	M	W	F	M 314		staff	
345-3	World Literature										
		1		11:00-11:50	M	W	F	HEc 206		staff	
365-3	Shakespeare										
		1		12:00-12:50	M	W	F	Wham 203		staff	
381-3	Greek Philosophy										
	1			1:00-1:50	M	W	F	HEc 208	Mr	Diefenbeck	
	2			8:00-8:50	M	W	F	HEc 208		Mr Moore	
382-3	Graeco-Roman and Medieval Philosophy										
		1		1:00-1:50	M	W	F	HEc 208	Mr	Diefenbeck	
		2		8:00-8:50	M	W	F	HEc 208		Mr Moore	
383-3	Early Modern Philosophy										
			1	1:00-1:50	M	W	F	HEc 208	Mr	Diefenbeck	
			2	8:00-8:50	M	W	F	HEc 208		Mr Leys	
386-3	Early American Philosophy										
		1		2:00-2:50	M	W	F	HEc 208		Mr Hahn	
387-3	Recent American Philosophy										
			1	2:00-2:50	M	W	F	HEc 208		Mr Hahn	

GENERAL STUDIES AREA D—ORGANIZATION and COMMUNICATION OF IDEAS (GSD)

ENG 100-0	English Composition: Grammar and Usage									
	1			8:00-8:50		M	W	F	M 306	staff
	T2			8:00-8:50			W	FS	M 308	staff
		T1	T1	8:00-8:50			W	FS	M 303	staff
	3			9:00-9:50			Tu	W	F	P 204
	T4			9:00-9:50		M	W	F	Ag 155	staff
		T2		9:00-9:50		M	W	F	M 303	staff
	T5			10:00-10:50			Tu	Th	S	M 305
	6			10:00-10:50			Tu	Th	S	M 305A
		3		10:00-10:50			Tu	Th	S	M 303
			2	10:00-10:50		M	W	F	M 303	staff
	7			11:00-11:50			Tu	Th	S	M 305
	T8			11:00-11:50			Tu	Th	S	M 305A

Course No. & Hours		Descriptive Title		Days		Bldg & Room		Prerequisite
Fall	Winter	Spring	Time					Instructor
		T4	11:00-11:50	M	W F	M 303		staff
T9			12:00-12:50	M	WTh	M 305A		staff
10			12:00-12:50		Tu Th	M 305		staff
			12:00-12:50			F	M 305A	staff
	5		12:00-12:50	M	W F	M 303		staff
		T3	12:00-12:50	M	W F	M 303		staff
11			1:00-1:50	M	W	M 305A		staff
			1:00-1:50			F	M 306A	staff
T12			1:00-1:50	M	W	M 308		staff
			1:00-1:50			F	Wh 214	staff
		T6	1:00-1:50	M	W	M 303		staff
			1:00-1:50			Th	M 102	staff
T13			2:00-2:50	M	W F	M 306		staff
14			2:00-2:50	M	W F	M 308		staff
	7		2:00-2:50	M	WTh	M 303		staff
		4	2:00-2:50	M	W F	M 303		staff
15			3:00-3:50	M	W F	M 306		staff
T16			3:00-3:50	M	W F	M 308		staff
		T8	3:00-3:50	M	WTh	M 303		staff
17			4:00-4:50	M	W F	M 306		staff
T18			4:00-4:50	M	W F	M 308		staff
	9		4:00-4:50	M	WTh	M 303		staff
		T5	4:00-4:50	M	W F	M 303		staff
T19			6:00-7:15 P.M.	M	W	M 306		staff
		T10	6:00-7:15 P.M.	M	W	M 303		staff
20			6:00-7:15 P.M.		Tu Th	M 306		staff
		11	6:00-7:15 P.M.		Tu Th	M 303		staff
T21			7:35-9:00 P.M.	M	W	M 306		staff
T22			7:35-9:00 P.M.		Tu Th	M 306		staff
		T12	7:35-9:00 P.M.	M	W	M 303		staff
		T6	7:35-9:00 P.M.	M	W	M 303		staff
101a-3 English Composition Eng 100 or satisfactory score on placement examination								
1			8:00-8:50	M	W F	Wham 307		staff
		T1	8:00-8:50	M	W F	HEc 122		staff
T2			8:00-8:50		Tu Th S	Wham 307		staff
		T2	8:00-8:50		Tu Th S	HEc 122		staff
3			8:00-8:50	M	W F	HEc 303		staff
	3		8:00-8:50	M	W F	M 313		staff
T4			8:00-8:50		Tu Th S	HEc 303		staff
T5			8:00-8:50	M	W F	Wham 210		staff
T6			8:00-8:50		Tu Th S	Wham 210		staff
7			9:00-9:50	M	W F	M 303		staff
		T4	9:00-9:50	M	W F	Ag 168		staff
		1	9:00-9:50	M		M 310		staff
			9:00-9:50		W	HEc 202		staff
			9:00-9:50			F	Wh 113	staff
		T2	9:00-9:50	M		Gym 203		staff
			9:00-9:50		W	HEc 104		staff
			9:00-9:50			F	Gym 204	staff
8			9:00-9:50		TuW	F	Wham 201	staff
9			9:00-9:50	M	W F	Wham 308		staff
10		T5	9:00-9:50	M	W F	M 313		staff
T11			9:00-9:50		Tu Th S	M 302		staff
T12			10:00-10:50		Tu Th S	Wham 319		staff
13			10:00-10:50		Tu Th S	Wham 321		staff
14			10:00-10:50		Tu Th S	Wham 303		staff
T15			10:00-10:50		Tu Th S	M 301		staff
T16			10:00-10:50	M	W F	M 303		staff

48 GENERAL STUDIES AREA D (GSD)

Course No.	& Hours		— Descriptive Title		Days		Bldg & Room		Prerequisite
Fall	Winter	Spring	Time						Instructor
101a-3 English Composition Eng 100 or satisfactory score on placement examination									
17			10:00–10:50		Tu	Th	S	M 303	staff
	6	3	10:00–10:50		M	W	F	HEc 122	staff
	T7		10:00–10:50		M	W	F	M 313	staff
T18			11:00–11:50		Tu	Th	S	Wham 319	staff
19			11:00–11:50		Tu	Th	S	Wham 321	staff
20			11:00–11:50		Tu	Th	S	Wham 303	staff
21			11:00–11:50		Tu	Th	S	M 301	staff
T22			11:00–11:50		M	W	F	M 303	staff
T23			11:00–11:50		Tu	Th	S	M 303	staff
T24			11:00–11:50		Tu	Th	S	M 302	staff
	8	4	11:00–11:50		M	W	F	HEc 122	staff
	T9		11:00–11:50		Tu	Th	S	HEc 122	staff
	T10		11:00–11:50		M	W	F	M 313	staff
25			12:00–12:50		M			Wham 112	staff
			12:00–12:50		Tu	Th		Wham 305	staff
26			12:00–12:50		M			Wham 210	staff
			12:00–12:50		Tu	Th		Wham 307	staff
27			12:00–12:50		Tu	Th		Wham 319	staff
			12:00–12:50				F	Wham 210	staff
T28			12:00–12:50		Tu	Th		Wham 321	staff
			12:00–12:50				F	Wham 110	staff
29			12:00–12:50		Tu	Th		Wham 303	staff
			12:00–12:50		M			Wham 328	staff
T30			12:00–12:50		Tu	Th		M 301	staff
			12:00–12:50				F	Wham 328	staff
T31			12:00–12:50		MTuWTh			M 303	staff
T32			12:00–12:50		Tu			M 302	staff
			12:00–12:50			W	F	M 303	staff
T33			12:00–12:50		M	W	F	M 308	staff
	11	5	12:00–12:50		M	W	F	Wham 317	staff
	T12		12:00–12:50		Tu	Th		HEc 122	staff
			12:00–12:50				F	M 313	staff
		T6	12:00–12:50		Tu	Th		HEc 122	staff
			12:00–12:50				F	M 314	staff
	13		12:00–12:50		MTu	Th		M 313	staff
34			1:00–1:50		Tu	Th	F	M 307	staff
35			1:00–1:50		M			M 210	staff
			1:00–1:50		Tu	Th		M 102	staff
T36			1:00–1:50		Tu	Th	F	M 304	staff
T37			1:00–1:50		M	W	F	Wham 328	staff
T38			1:00–1:50		M	WTh		M 313	staff
		7	1:00–1:50		M	W		HEc 122	staff
			1:00–1:50				F	Wham 206	staff
		T8	1:00–1:50		M	W		M 307	staff
			1:00–1:50			Th		M 203B	staff
	T14		1:00–1:50		M	W		M 313	staff
			1:00–1:50				F	M 309	staff
39			2:00–2:50		Tu		F	Wham 305	staff
			2:00–2:50			W		Wham 206	staff
40			2:00–2:50		Tu		F	Wham 307	staff
			2:00–2:50			W		Wham 329	staff
41			2:00–2:50		Tu		F	Wham 319	staff
			2:00–2:50			Th		Wham 201	staff
42			2:00–2:50		Tu	Th		HEc 202	staff
			2:00–2:50				F	Wham 201	staff
43			2:00–2:50		M	WTh		M 307	staff
44			2:00–2:50		Tu	Th	F	HEc 122	staff

GENERAL STUDIES AREA D (GSD) 49

Course No.	Hours —			Descriptive Title	Days	Bldg & Room	Prerequisite Instructor
	Fall	Winter	Spring	Time			
T45				2:00-2:50	Tu Th	HEc 106	staff
				2:00-2:50	F	HEc 206	staff
T46				2:00-2:50	Tu Th	M 308	staff
				2:00-2:50	F	M 313	staff
T47				2:00-2:50	M WTh	M 313	staff
	15	9		2:00-2:50	M W F	HEc 122	staff
	16			2:00-2:50	M W	M 313	staff
				2:00-2:50	Th	M 308	staff
		T10		2:00-2:50	Tu Th	HEc 122	staff
				2:00-2:50	F	HEc 206	staff
48				3:00-3:50	Tu Th	Wham 305	staff
				3:00-3:50	F	Wham 328	staff
49				3:00-3:50	Tu Th	Wham 307	staff
				3:00-3:50	F	Wham 327	staff
50				3:00-3:50	Tu Th	Wham 319	staff
				3:00-3:50	F	Wham 317	staff
51				3:00-3:50	M	Wham 201	staff
				3:00-3:50	Tu Th	Wham 321	staff
52				3:00-3:50	M WTh	M 303	staff
53				3:00-3:50	Tu F	M 303	staff
				3:00-3:50	Th	M 302	staff
T54				3:00-3:50	Tu	M 306	staff
				3:00-3:50	W F	M 307	staff
T55				3:00-3:50	Tu	M 308	staff
				3:00-3:50	W F	M 313	staff
T56				3:00-3:50	MTu Th	M 313	staff
	17	11		3:00-3:50	M W F	HEc 122	staff
	T18			3:00-3:50	Tu ThF	M 313	staff
		12		3:00-3:50	M	M 311	staff
				3:00-3:50	Tu Th	HEc 122	staff
57				4:00-4:50	Tu Th	M 306	staff
				4:00-4:50	F	M 313	staff
58				4:00-4:50	Tu Th	M 305	staff
				4:00-4:50	F	M 311	staff
59				4:00-4:50	Tu Th	M 305A	staff
				4:00-4:50	F	HEc 303	staff
60				4:00-4:50	Tu Th	Wham 305	staff
				4:00-4:50	M	Wham 326	staff
61				4:00-4:50	Tu Th	Wham 307	staff
				4:00-4:50	M	M 303	staff
62				4:00-4:50	TuW F	M 303	staff
T63				4:00-4:50	M WTh	M 313	staff
T64				4:00-4:50	Tu	M 313	staff
				4:00-4:50	W F	M 307	staff
T65				4:00-4:50	Tu	M 308	staff
				4:00-4:50	W F	HEc 122	staff
	19	13		4:00-4:50	M W F	HEc 122	staff
	T20			4:00-4:50	Tu ThF	M 313	staff
		T14		4:00-4:50	M	M 102A	staff
				4:00-4:50	Tu Th	HEc 122	staff
66				6:00-7:15 P.M.	M W	Wham 303	staff
67				6:00-7:15 P.M.	Tu Th	Wham 303	staff
68				6:00-7:15 P.M.	M W	M 303	staff
69				6:00-7:15 P.M.	Tu Th	M 303	staff
70				6:00-7:15 P.M.	M W	M 305	staff
71				6:00-7:15 P.M.	Tu Th	M 305	staff
T72				6:00-7:15 P.M.	Tu Th	M 305A	staff
	21	15		6:00-7:15 P.M.	M W	HEc 122	staff

50 GENERAL STUDIES AREA D (GSD)

Course No. & Hours		Descriptive Title		Days	Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring	Time			
101a-3 English Composition Eng 100 or satisfactory score on placement examination						
	T22		6:00-7:15 P.M.	Tu Th	M 313	staff
		T16	6:00-7:15 P.M.	Tu Th	HEc 122	staff
73			7:35-9:00 P.M.	M W	Wham 303	staff
74			7:35-9:00 P.M.	Tu Th	Wham 303	staff
75			7:35-9:00 P.M.	M W	Wham 303	staff
76			7:35-9:00 P.M.	M W	M 305	staff
77			7:35-9:00 P.M.	Tu Th	M 305	staff
	T23	17	7:35-9:00 P.M.	M W	HEc 122	staff
		T18	7:35-9:00 P.M.	Tu Th	HEc 122	staff
101b-3 101a						
T1	T1		8:00-8:50	W FS	M 307	staff
	2	T1	8:00-8:50	W FS	Wham 303	staff
	3		8:00-8:50	MTu Th	Wham 303	staff
	T4		8:00-8:50	M WTh	Wham 326	staff
	T5		8:00-8:50	Tu Th	Wham 321	staff
			8:00-8:50		F Wham 326	staff
T2			9:00-9:50	Tu Th	M 305A	staff
			9:00-9:50		F T38 R103	staff
	6		9:00-9:50	M W F	P 204	staff
	7		9:00-9:50	M W F	M 215	staff
	8		9:00-9:50	M W F	LS 205	staff
	T9		9:00-9:50	TuW F	Wham 201	staff
	T10		9:00-9:50	Tu ThF	Wham 328	staff
		T2	9:00-9:50	M W F	M 303	staff
		3	9:00-9:50	M	M 312	staff
			9:00-9:50	W	HEc 102	staff
			9:00-9:50		F T38 R103	staff
		4	9:00-9:50	M W F	M 313	staff
		T5	9:00-9:50	M	F P 308	staff
			9:00-9:50	W	P 309	staff
	11		10:00-10:50	M W F	M 306	staff
	12		10:00-10:50	Tu Th S	M 306	staff
	13	T6	10:00-10:50	M W F	M 308	staff
	T14		10:00-10:50	Tu Th S	M 308	staff
3		7	10:00-10:50	M W F	M 313	staff
T4			10:00-10:50	Tu Th S	M 313	staff
	T15	8	10:00-10:50	M W F	M 307	staff
	T16		10:00-10:50	Tu Th S	M 307	staff
		T9	10:00-10:50	M W F	M 306	staff
		10	11:00-11:50	M W F	Wham 307	staff
		T11	11:00-11:50	M W F	M 308	staff
5		12	11:00-11:50	M W F	M 313	staff
T6			11:00-11:50	Tu Th S	M 313	staff
		T13	11:00-11:50	M W F	M 307	staff
	17		11:00-11:50	M	Wham 112	staff
			11:00-11:50	W F	Wham 208	staff
	18		11:00-11:50	Tu Th S	M 305A	staff
	19		11:00-11:50	M W F	M 308	staff
	20		11:00-11:50	Tu Th S	M 308	staff
	T21		11:00-11:50	M W F	M 307	staff
	T22		11:00-11:50	Tu Th S	M 307	staff
	23		12:00-12:50	Tu Th	M 305	staff
			12:00-12:50		F M 305A	staff
	24		12:00-12:50	MTu Th	M 305A	staff
	25		12:00-12:50	M Th	M 306	staff
			12:00-12:50	W	M 305A	staff
	26		12:00-12:50	TuW F	M 306	staff

Course No. & Hours		Descriptive Title		Days		Bldg & Room		Prerequisite
Fall	Winter	Spring	Time					Instructor
		27	12:00-12:50	M	WTh	M 308		staff
		28	12:00-12:50	Tu	F	M 308		staff
			12:00-12:50		W	M 313		staff
		T29	12:00-12:50	M	WTh	M 307		staff
		T30	12:00-12:50	Tu	F	M 307		staff
			12:00-12:50		Th	M 302		staff
		14	12:00-12:50	M	W F	M 306		staff
		15	12:00-12:50	M	W F	M 305A		staff
		16	12:00-12:50	M	W F	M 308		staff
7		T17	12:00-12:50	M	W F	M 313		staff
T8			12:00-12:50	Tu	Th	M 313		staff
			12:00-12:50		F	M 307		staff
T9			1:00-1:50	M	W	M 307		staff
			1:00-1:50		F	Wham 210		staff
		T31	1:00-1:50	Tu	F	M 307		staff
			1:00-1:50		W	M 306A		staff
		T32	1:00-1:50	M	WTh	M 307		staff
		T33	1:00-1:50	Tu	ThF	HEc 122		staff
10			2:00-2:50	M	W	HEc 122		staff
			2:00-2:50		F	M 215		staff
T11			2:00-2:50	Tu	Th	M 306		staff
			2:00-2:50		F	M 307		staff
		34	2:00-2:50	Tu	F	Wham 305		staff
			2:00-2:50		Th	Wham 303		staff
		35	2:00-2:50	M		M 306		staff
			2:00-2:50	Tu	Th	M 305		staff
		36	2:00-2:50	M		M 308		staff
			2:00-2:50	Tu	Th	M 305A		staff
		37	2:00-2:50	TuW	F	M 306		staff
		38	2:00-2:50	TuW	F	M 308		staff
		39	2:00-2:50	M	WTh	M 307		staff
		T40	2:00-2:50	Tu	F	M 307		staff
			2:00-2:50		Th	HEc 122		staff
		T41	2:00-2:50	Tu	F	Wham 307		staff
			2:00-2:50		Th	M 301		staff
		18	2:00-2:50	M	W F	M 306		staff
		19	2:00-2:50	M	W F	M 308		staff
		20	2:00-2:50	M	W F	M 313		staff
12			3:00-3:50	MTu	Th	M 307		staff
T13			3:00-3:50	MTu	Th	HEc 122		staff
		42	3:00-3:50	Tu	Th	M 305		staff
			3:00-3:50	M		M 306		staff
		43	3:00-3:50	TuW	F	M 306		staff
		44	3:00-3:50	M	W	M 308		staff
			3:00-3:50		Th	M 306		staff
		45	3:00-3:50	Tu	ThF	M 308		staff
		46	3:00-3:50	M	W	M 313		staff
			3:00-3:50		Th	M 305A		staff
		47	3:00-3:50	M	WTh	M 307		staff
		T48	3:00-3:50	Tu	F	M 307		staff
			3:00-3:50		Th	HEc 122		staff
		T49	3:00-3:50	Tu	Th	M 302		staff
			3:00-3:50		F	M 303		staff
		T50	3:00-3:50	Tu	F	Wham 112		staff
			3:00-3:50		Th	Wham 319		staff
		T21	3:00-3:50	M	W F	M 306		staff
		22	3:00-3:50	M	W F	M 308		staff
		23	3:00-3:50	M	W F	M 313		staff

52 GENERAL STUDIES AREA D (GSD)

Course No. & Hours — Descriptive Title			Days		Bldg & Room		Prerequisite Instructor
Fall	Winter	Spring	Time				
101a-3 English Composition Eng 100 or satisfactory score on placement examination							
		T24	3:00-3:50	M W F	M 307		staff
T14			4:00-4:50	MTu Th	M 307		staff
T15			4:00-4:50	MTu Th	HEc 122		staff
	51		4:00-4:50	Tu Th	M 305		staff
			4:00-4:50	M	M 306		staff
	52		4:00-4:50	TuW F	M 306		staff
	53		4:00-4:50	M W	M 308		staff
			4:00-4:50	Th	M 306		staff
	54		4:00-4:50	Tu ThF	M 308		staff
	55		4:00-4:50	M W	M 313		staff
			4:00-4:50	Th	M 305A		staff
	56		4:00-4:50	M WTh	M 307		staff
	T57		4:00-4:50	Tu F	M 307		staff
			4:00-4:50	Th	HEc 122		staff
	T58		4:00-4:50	Tu Th	M 302		staff
			4:00-4:50	F	M 303		staff
	T59		4:00-4:50	Tu ThF	Wham 307		staff
		25	4:00-4:50	M W F	M 306		staff
		26	4:00-4:50	M W F	M 308		staff
		27	4:00-4:50	M W F	M 313		staff
		T28	4:00-4:50	M W F	M 307		staff
	60		6:00-7:25 P.M.	M W	M 305		staff
	61		6:00-7:25 P.M.	Tu Th	M 305		staff
	62		6:00-7:25 P.M.	Tu Th	HEc 122		staff
	63		6:00-7:25 P.M.	Tu Th	HEc 102		staff
	64		6:00-7:25 P.M.	Tu Th	HEc 202		staff
	T65		6:00-7:25 P.M.	Tu Th	HEc 104		staff
	T66		6:00-7:25 P.M.	M W	Wham 303		staff
	T67		6:00-7:25 P.M.	Tu Th	Wham 303		staff
	T68		6:00-7:25 P.M.	M W	M 302		staff
		29	6:00-7:15 P.M.	M W	M 306		staff
		30	6:00-7:15 P.M.	Tu Th	M 306		staff
16			7:35-9:00 P.M.	M W	M 305A		staff
	T69		7:35-9:00 P.M.	M W	M 305		staff
	70		7:35-9:00 P.M.	Tu Th	M 305		staff
	71		7:35-9:00 P.M.	Tu Th	HEc 122		staff
	72		7:35-9:00 P.M.	Tu Th	HEc 102		staff
	73		7:35-9:00 P.M.	Tu Th	HEc 202		staff
	74		7:35-9:00 P.M.	M W	HEc 202		staff
	75		7:35-9:00 P.M.	M W	Wham 303		staff
	T76		7:35-9:00 P.M.	Tu Th	Wham 303		staff
	T77		7:35-9:00 P.M.	M W	M 302		staff
		31	7:35-9:00 P.M.	M W	M 306		staff
		32	7:35-9:00 P.M.	Tu Th	M 306		staff
		33	7:35-9:00 P.M.	M W	M 308		staff
103-3 Oral Communication of Ideas							
1	1	1	8:00-8:50	M W F	Ag 220		staff
			10:00-10:50	F	M 102A		staff
2	2	2	8:00-8:50	M W F	Ag 222		staff
			10:00-10:50	F	M 102A		staff
3	3	3	8:00-8:50	Tu Th S	Ag 220		staff
			8:00-8:50	F	M 304		staff
4	4	4	8:00-8:50	Tu Th S	Ag 222		staff
			8:00-8:50	F	M 304		staff
5		5	8:00-8:50	Tu Th S	T38 R102		staff
			8:00-8:50	F	M 304		staff
	5		8:00-8:50	Tu Th S	M 104		staff
			8:00-8:50	F	M 304		staff

GENERAL STUDIES AREA D (GSD) 53

Course No. & Hours —	Descriptive Title	Days	Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring	Time	
6	6	6	9:00-9:50	M W F Ag 220 staff
			8:00-8:50	F M 102A staff
T7	T7	T7	9:00-9:50	M W F Ag 222 staff
			8:00-8:50	F M 102A staff
8	8	8	9:00-9:50	Tu Th S Ag 220 staff
			8:00-8:50	F M 104 staff
9	9	9	9:00-9:50	Tu Th S Ag 222 staff
			8:00-8:50	F M 104 staff
10	10	10	10:00-10:50	W F Ag 220 staff
			8:00-8:50	F M 105 staff
11	11	11	10:00-10:50	W FS T38 R102 staff
			8:00-8:50	F M 105 staff
12	12	12	10:00-10:50	W FS Ag 222 staff
			8:00-8:50	F M 102 staff
13	13	13	10:00-10:50	M Th T38 R102 staff
			10:00-10:50	S T38 R103 staff
			10:00-10:50	F M 102 staff
14	14	14	10:00-10:50	M Th Ag 220 staff
			10:00-10:50	S Ag 116 staff
			10:00-10:50	F M 304 staff
15	15	15	11:00-11:50	M W F Ag 222 staff
			10:00-10:50	F M 102 staff
16	16	16	11:00-11:50	M W F T38 R102 staff
			10:00-10:50	F M 304 staff
17	17	17	11:00-11:50	Tu Th S Ag 222 staff
			10:00-10:50	F M 304 staff
18	18	18	11:00-11:50	Tu Th S T38 R102 staff
			10:00-10:50	F M 105 staff
19	19	19	11:00-11:50	M W F Ag 220 staff
			10:00-10:50	F M 105 staff
20	20	20	12:00-12:50	M W F T38 R102 staff
			10:00-10:50	F M 104 staff
21	21	21	12:00-12:50	MTu Th T38 R103 staff
			2:00-2:50	F M 104 staff
22	22	22	12:00-12:50	Tu Th T38 R102 staff
			12:00-12:50	F T38 R103 staff
			2:00-2:50	F M 104 staff
23	23	23	12:00-12:50	TuWTh Ag 220 staff
			2:00-2:50	F M 102A staff
24	24	24	1:00-1:50	M W F Ag 220 staff
			2:00-2:50	F M 102A staff
25		25	1:00-1:50	M W F T38 R102 staff
			2:00-2:50	F M 304 staff
	25		1:00-1:50	MTu Th Ag 146 staff
			2:00-2:50	F M 304 staff
26	26	26	1:00-1:50	TuWTh Ag 222 staff
			2:00-2:50	F M 304 staff
T27	T27	T27	1:00-1:50	Tu Th Ag 220 staff
			1:00-1:50	F Ag 222 staff
			2:00-2:50	F M 304 staff
28	28	28	2:00-2:50	M W F Ag 220 staff
			10:00-10:50	F M 104 staff
29	29		2:00-2:50	M W F T38 R102 staff
			4:00-4:50	F M 102 staff
		29	2:00-2:50	M W F Ag 172 staff
			4:00-4:50	F M 102 staff
	30		2:00-2:50	M M 102A staff
			2:00-2:50	Tu Th M 107 staff
			8:00-8:50	F M 102 staff

54 GENERAL STUDIES AREA D (GSD)

Course No. & Hours			Descriptive Title		Days		Bldg & Room		Prerequisite Instructor
Fall	Winter	Spring	Time						
103-3 Oral Communication of Ideas									
30		30	2:00-2:50	MTu Th			Ag 216		staff
			8:00-8:50		F		M 102		staff
31	31	31	2:00-2:50	Tu ThF			Ag 222		staff
			6:00-6:50 P.M.	M			M 304		staff
32	32	32	2:00-2:50	Tu Th			Ag 220		staff
			2:00-2:50	M			Ag 222		staff
			4:00-4:50		F		M 102		staff
33	33	33	3:00-3:50	M W F			Ag 220		staff
			2:00-2:50		F		M 105		staff
34	34	34	3:00-3:50	M W F			T38 R102		staff
			4:00-4:50		F		M 104		staff
35	35	35	3:00-3:50	M W F			T38 R103		staff
			4:00-4:50		F		M 104		staff
36	36	36	3:00-3:50	Tu Th			Ag 220		staff
			3:00-3:50		F		Ag 222		staff
			4:00-4:50		F		M 102A		staff
T37	T37	T37	3:00-3:50	TuWTh			Ag 222		staff
			4:00-4:50		F		M 102A		staff
38	38	38	4:00-4:50	M W F			Ag 220		staff
			2:00-2:50		F		M 105		staff
39	39	39	4:00-4:50	M W F			T38 R102		staff
			2:00-2:50		F		M 102		staff
40	40	40	4:00-4:50	M W F			T38 R103		staff
			2:00-2:50		F		M 102		staff
41	41	41	4:00-4:50	Tu Th			Ag 220		staff
			4:00-4:50		F		Ag 222		staff
			6:00-6:50 P.M.	M			M 304		staff
42	42	42	4:00-4:50	TuWTh			Ag 222		staff
			4:00-4:50		F		M 304		staff
43	43	43	5:45-7:00 P.M.	M W F			Ag 220		staff
			4:00-4:50		F		M 304		staff
44	44	44	5:45-7:00 P.M.	M W F			T38 R102		staff
			4:00-4:50		F		M 105		staff
45	45	45	5:45-7:00 P.M.	M W F			Ag 222		staff
			4:00-4:50		F		M 105		staff
46	46	46	5:45-7:00 P.M.	Tu Th			T38 R103		staff
			6:00-6:50 P.M.	M			M 105		staff
47	47	47	5:45-7:00 P.M.	Tu Th			T38 R102		staff
			6:00-6:50 P.M.	M			M 105		staff
48	48	48	7:35-8:50 P.M.	M W F			Ag 220		staff
			6:00-6:50 P.M.	M			M 102		staff
49	49	49	7:35-8:50 P.M.	M W F			T38 R102		staff
			6:00-6:50 P.M.	M			M 102		staff
50	50	50	7:35-8:50 P.M.	M W F			Ag 222		staff
			6:00-6:50 P.M.	M			M 102A		staff
51	51	51	7:35-8:50 P.M.	Tu Th			T38 R102		staff
			6:00-6:50 P.M.	M			M 104		staff
52	52	52	7:35-8:50 P.M.	Tu Th			T38 R103		staff
			6:00-6:50 P.M.	M			M 104		staff
MATH 106-0 Intermediate Algebra									
1	1	1	8:00-8:50	TuWTh S			M 215		staff
2			9:00-9:50	M WTh S			M 215		staff
3	2	2	10:00-10:50	Tu ThFS			M 215		staff
4			11:00-11:50	MTu Th S			M 215		staff
5	3	3	12:00-12:50	MTu ThF			M 215		staff
6			1:00-1:50	MTuWTh			M 215		staff
7	4		2:00-2:50	MTuWTh			M 215		staff
8			3:00-3:50	MTuWTh			M 215		staff

Course No. & Hours —			Descriptive Title		Days	Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring	Time				
9	5	4	4:00-4:50		TuWThF	M 215	staff
10			5:45-7:25 P.M.		M W	M 215	staff
11	6	5	7:35-9:15 P.M.		Tu Th	M 215	staff
108a-3 Fundamentals of Mathematics						H.S. Math or Math 106	
T1	T1	1	8:00-8:50		M W F	M 309	staff
2			8:00-8:50		Tu Th S	M 309	staff
3	T2	2	9:00-9:50		M W F	M 309	staff
T4	3	3	9:00-9:50		Tu Th S	M 309	staff
5 ¹			10:00-10:50		M W F	Ag 102	staff
	4	4	10:00-10:50		M WTh	M 309	staff
	5	T5	10:00-10:50		M W F	M 306A	staff
6	6	6	11:00-11:50		Tu Th S	M 309	staff
T7			11:00-11:50		M W F	M 309	staff
8	7	7	12:00-12:50		M W F	M 309	staff
T9			12:00-12:50		M WTh	M 207	staff
10			1:00-1:50		M W F	M 309	staff
	8 ²		1:00-1:50		M W F	Ag 102	staff
T11		8	1:00-1:50		Tu ThF	M 314	staff
12	T9	9	2:00-2:50		M W F	M 309	staff
T13			2:00-2:50		Tu ThF	M 312	staff
14 ¹			3:00-3:50		M W F	Ag 102	staff
	10	10	3:00-3:50		TuW F	M 309	staff
15	T11	11	4:00-4:50		MTu Th	M 309	staff
T16	12		4:00-4:50		M	M 314	staff
			4:00-4:50		W F	M 309	staff
17	13	12	6:00-7:25 P.M.		Tu Th	M 309	staff
18	14	13	7:35-9:00 P.M.		M W	M 309	staff
108b-3						108a	
	T1	1	8:00-8:50		Tu Th S	M 309	staff
1		T2	9:00-9:50		M W	M 311	staff
			9:00-9:50		F	M 312	staff
	2 ²		9:00-9:50		M W F	Wham 105	staff
2	T3	3	10:00-10:50		Tu Th	M 306A	staff
			10:00-10:50		F	M 309	staff
		4	11:00-11:50		M W F	M 309	staff
3	4	5	12:00-12:50		M	M 311	staff
			12:00-12:50		Tu Th	M 309	staff
4	5		1:00-1:50		Tu	M 309	staff
			1:00-1:50		W F	M 312	staff
		6 ³	1:00-1:50		M W F	Wham 105	staff
	6	T7	2:00-2:50		TuW F	M 312	staff
T5		8	3:00-3:50		M WTh	M 312	staff
	7 ²		3:00-3:50		M W F	Wham 105	staff
6	8	9	4:00-4:50		Tu	M 311	staff
			4:00-4:50		W F	M 312	staff
7	9	10	6:00-7:25 P.M.		M W	M 309	staff
		11	7:35-9:00 P.M.		Tu Th	M 309	staff
108c-3						108b or 114b	
1	1	T1	8:00-8:50		M W F	M 311	staff
		2 ³	9:00-9:50		M W F	Wham 105	staff
2	2		11:00-11:50		Tu ThF	M 312	staff

¹ Optional discussions for Sections 5 and 14 of Fall GSD 108a in Bailey Hall on Thursdays from 9 a.m. to 5 p.m.

² Optional discussions for Section 8 of Winter GSD 108a in Bailey Hall on Tuesdays from 1 to 5 p.m.; optional discussions for Sections 2 and 7 of Winter GSD 108b in Bailey on Thursdays from 9 a.m. to 5 p.m.

³ Optional discussions for Section 6 of Spring GSD 108b in Bailey Hall on Thursdays from 1 to 5 p.m.; optional discussions for Section 2 of Spring GSD 108c in Bailey Hall on Thursdays from 8 a.m. to 12 noon.

56 GENERAL STUDIES AREA D (GSD)

Course No. & Hours			Descriptive Title		Days		Bldg & Room		Prerequisite Instructor
Fall	Winter	Spring	Time						
108c-3									108b or 114b
3	3	3	2:00-2:50		M	WTh	M 311		staff
4	T4	4	3:00-3:50			TuW F	M 311		staff
	5	5	7:35-9:00 P.M.			Tu Th	M 311		staff
110-3 Economics and Business Statistics									108b or 114b. Open only to
									Economics Majors and School of Business students
		1	8:00-8:50		M	W F	Wham 308	Mr Martinsek	
1			11:00-11:50		M	ThF	M 213	Mr Marks	
	1		11:00-11:50		M	W F	Ag 166	Mr Martinsek	
		2	1:00-1:50		M	W F	Wham 308	Mr Marks	
T2			2:00-2:50		M	WTh	Wham 308	Mr Martinsek	
114a-3 College Algebra and Trigonometry									H.S. Math or Math 106
1	1	1	8:00-8:50			Tu Th S	M 311		staff
T2			8:00-8:50		M	W F	M 107		staff
T3			8:00-8:50			Tu Th S	M 107		staff
4			9:00-9:50			Tu F	M 215		staff
			9:00-9:50				S	M 311	staff
T5	2	2	9:00-9:50			Tu ThF	M 311		staff
T6	3	3	10:00-10:50		M	W	M 311		staff
			10:00-10:50				S	M 310	staff
T7			10:00-10:50		M	WTh	M 309		staff
8 ⁴			10:00-10:50			Tu ThF	BrownH		staff
T9	T4		11:00-11:50		M	W F	M 311		staff
10	5		11:00-11:50			Tu Th S	M 311		staff
T11	T6	4	12:00-12:50			TuW F	M 311		staff
12	7		12:00-12:50			Tu F	M 314		staff
			12:00-12:50				Th	M 312	staff
13	8	T5	1:00-1:50			Tu ThF	M 311		staff
14			1:00-1:50		M	W	M 311		staff
			1:00-1:50				Th	M 309	staff
T15	9		2:00-2:50			Tu F	M 311		
			2:00-2:50			W	M 306A		staff
16			2:00-2:50		M	W	M 312		staff
			2:00-2:50				Th	M 309	staff
17			3:00-3:50			Tu ThF	M 309		staff
T18			3:00-3:50			Tu F	M 312		staff
			3:00-3:50				Th	M 311	staff
19 ⁴	10 ⁴		3:00-3:50		MTu	Th	BrownH		staff
20	T11	6	4:00-4:50		M	WTh	M 311		staff
T21			4:00-4:50		M	WTh	M 210		staff
22	12	7	6:00-7:25 P.M.			Tu Th	M 311		staff
23			6:00-7:25 P.M.		M	W	M 311		staff
24	13		7:35-9:00 P.M.		M	W	M 311		staff
25			7:35-9:00 P.M.			Tu Th	M 311		staff
114b-3									114a or H.S. Math
1	1	1	8:00-8:50		M	W F	M 312		staff
2	T2		9:00-9:50		M	Th	M 310		staff
			9:00-9:50			Tu	M 306A		staff
	3		9:00-9:50		M	W	M 311		staff
			9:00-9:50				Th	M 312	staff
	4 ⁴		10:00-10:50			Tu ThF	BrownH		staff
3	T5	2	10:00-10:50			Tu Th S	M 311		staff
	T6		11:00-11:50		M	W F	M 309		staff
		3	11:00-11:50		M	W F	M 312		staff
	7		11:00-11:50		M	W	S	M 312	staff
4	T8	4	12:00-12:50		M	WTh	M 314		staff
	9		12:00-12:50			Tu ThF	M 310		staff
T5	10	5	1:00-1:50		M	WTh	M 209		staff
	T11		1:00-1:50		M	WTh	M 309		staff

Course No.	No. & Hours	Descriptive Title	Days	Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring	Time		
		T12	2:00-2:50	M	M 209 staff
			2:00-2:50	Tu Th	M 207 staff
	13	6	2:00-2:50	M Th	M 312 staff
			2:00-2:50	W	M 209 staff
	14	7	3:00-3:50	MTu Th	M 314 staff
	T15		3:00-3:50	M WTh	M 312 staff
	16		4:00-4:50	Tu Th	M 306A staff
			4:00-4:50	F	M 311 staff
	6	17	4:00-4:50	MTu Th	M 312 staff
		18	6:00-7:25 P.M.	M W	M 312 staff
	7	19	7:35-9:00 P.M.	Tu Th	M 312 staff
114c-3					114b or H.S. Math
1	1	1	8:00-8:50	Tu Th S	M 312 staff
2	2	T2	9:00-9:50	TuW S	M 312 staff
3	3	3	10:00-10:50	TuW S	M 312 staff
		4	11:00-11:50	Tu Th S	M 311 staff
		T5	11:00-11:50	M W F	M 311 staff
		6	11:00-11:50	Tu Th S	M 312 staff
T4	4	T7	12:00-12:50	TuW F	M 312 staff
		8	12:00-12:50	Tu F	M 306A staff
			12:00-12:50	Th	M 311 staff
		9	1:00-1:50	M WTh	M 309 staff
5	T5	10	1:00-1:50	MTu Th	M 312 staff
	6	11	2:00-2:50	Tu Th	M 309 staff
			2:00-2:50	F	M 215 staff
	7	T12	3:00-3:50	M Th	M 309 staff
			3:00-3:50	F	M 314 staff
		13 ⁴	3:00-3:50	M W F	BrownH staff
6	8	14	4:00-4:50	TuW F	M 314 staff
7	9	15	6:00-7:25 P.M.	Tu Th	M 312 staff
	10	16	7:35-9:00 P.M.	M W	M 312 staff
120a-3	Elementary Chinese				
1			10:00-10:50	M W F	M 107 Mrs Yang
120b-3					
	1		10:00-10:50	M W F	M 107 Mrs Yang
120c-3					
	1		10:00-10:50	M W F	M 107 Mrs Yang
CHIN 120a-1	Chinese Conversation				
1			10:00-10:50	Th	M 107 Mrs Yang
CHIN 120b-1	Concurrent enrollment in GSD 120b				
1			10:00-10:50	Th	M 107 Mrs Yang
CHIN 120c-1	Concurrent enrollment in GSD 120c				
	1		10:00-10:50	Th	M 107 Mrs Yang
123a-3	Elementary French				
1			8:00-8:50	M W F	Wh 207 staff
	1		10:00-10:50	M W F	HEc 120 staff
T2			8:00-8:50	Tu Th S	Wh 207 staff
	2		2:00-2:50	M W F	M 203 staff
T3			9:00-9:50	M W F	Wh 207 staff
	T3		4:00-4:50	M W F	HEc 120 staff
4			9:00-9:50	Tu Th S	Wh 207 staff
T5			10:00-10:50	M W F	Wh 107 staff
6			10:00-10:50	Tu Th S	Wh 107 staff

NOTE: All 3-hour GSD courses in foreign languages except Latin and Greek require two ½-hour laboratory periods as outside preparation.

³ Optional discussions for Section 6 of Spring GSD 108b in Bailey Hall on Thursdays from 1 to 5 p.m.; optional discussions for Section 2 of Spring GSD 108c in Bailey Hall on Thursdays from 8 a.m. to 12 noon.

⁴ Open to Thompson Point residents only.

58 GENERAL STUDIES AREA D (GSD)

Course No. & Hours		— Descriptive Title		Days			Bldg & Room		Prerequisite Instructor
Fall	Winter	Spring	Time						
123a-3 Elementary French									
7			11:00-11:50	M	W	F	M 203		staff
8 ⁴			12:00-12:50	M	W	F	BrownH		staff
T9			1:00-1:50	M	W	F	M 203		staff
10			2:00-2:50	M	W	F	Wh 207		staff
11			3:00-3:50	M	W	F	HEc 128		staff
T12			4:00-4:50	M	W	F	Wh 207		staff
13			6:00-7:25 P.M.	M	W		Wh 207		staff
T14			6:00-7:25 P.M.		Tu	Th	Wh 107		staff
15			7:35-9:00 P.M.		Tu	Th	Wh 207		staff
FRENCH 123a-1 French Conversation Concurrent enrollment in GSD 123a									
1			8:00-8:50			Th	Wh 203		staff
	1		10:00-10:50			Th	Wh 113		staff
T2			8:00-8:50	M			Wh 203		staff
	2		2:00-2:50			Th	HEc 120		staff
3			9:00-9:50	M			Wh 203		staff
	3		4:00-4:50			Th	Wh 203		staff
4			9:00-9:50		W		M 201		staff
T5			10:00-10:50			Th	Wh 203		staff
6			10:00-10:50	M			Wh 203		staff
7			11:00-11:50			Th	Gym 203		staff
8 ⁴			12:00-12:50			Th	BrownH		staff
9			1:00-1:50			Th	HEc 120		staff
10			2:00-2:50			Th	Wh 207		staff
11			3:00-3:50			Th	Wh 207		staff
12			4:00-4:50			Th	Wh 207		staff
13			6:00-6:50 P.M.			Th	Wh 207		staff
T14			6:00-6:50 P.M.	M			Wh 203		staff
15			7:35-8:25 P.M.	M			Wh 203		staff
123b-3 Elementary French									
1			8:00-8:50	M	W	F	Wh 207		staff
	1		10:00-10:50	M	W	F	Gym 203		staff
T2			8:00-8:50		Tu	Th S	Wh 207		staff
	2		2:00-2:50	M	W	F	M 203		staff
T3			9:00-9:50	M	W	F	Wh 207		staff
	T3		4:00-4:50	M	W	F	HEc 120		staff
4			9:00-9:50		Tu	Th S	Wh 207		staff
5			10:00-10:50		Tu	Th S	Wh 107		staff
6			11:00-11:50	M	W	F	Wh 107		staff
7 ⁴			12:00-12:50	M	W	F	BrownH		staff
8			1:00-1:50	M	W	F	M 203		staff
9			2:00-2:50	M	W	F	Wh 207		staff
10			3:00-3:50	M	W	F	Wh 207		staff
11			4:00-4:50	M	W	F	Wh 207		staff
12			6:00-7:25 P.M.	M	W		Wh 207		staff
T13			6:00-7:25 P.M.		Tu	Th	Wh 207		staff
14			7:35-9:00 P.M.		Tu	Th	Wh 207		staff
FRENCH 123b-1 French Conversation Concurrent enrollment in GSD 123b									
1			8:00-8:50			Th	Wh 203		staff
	1		10:00-10:50			Th	HEc 120		staff
T2			8:00-8:50	M			Wh 203		staff
	2		2:00-2:50			Th	HEc 120		staff
T3			9:00-9:50	M			Wh 203		staff
	T3		4:00-4:50			Th	HEc 120		staff
4			9:00-9:50		W		M 201		staff
5			10:00-10:50		W		Wh 203		staff
6			11:00-11:50			Th	Gym 203		staff
7 ⁴			12:00-12:50			Th	BrownH		staff
8			1:00-1:50			Th	HEc 120		staff

Course No. & Hours		Descriptive Title		Days		Bldg & Room		Prerequisite Instructor
Fall	Winter	Spring	Time					
		9	2:00-2:50		Th	Wh 207		staff
		10	3:00-3:50		Th	Wh 207		staff
		11	4:00-4:50		Th	Wh 207		staff
		12	6:00-6:50 P.M.		Th	Wh 203		staff
		T13	6:00-6:50 P.M.	M		Wh 203		staff
		14	7:35-8:25 P.M.	M		Wh 203		staff
123c-3 Elementary French								
		1	4:00-4:50	MTu	Th	Wh 107		staff
		1	8:00-8:50	M	W F	Wh 207		staff
		T2	8:00-8:50		Tu Th S	Wh 207		staff
		T3	9:00-9:50	M	W F	Wh 207		staff
		4	9:00-9:50		Tu Th S	Wh 207		staff
		5	11:00-11:50	M	W F	M 203		staff
		6 ⁴	12:00-12:50	M	W F	BrownH		staff
		T7	1:00-1:50	M	W F	Gym 203		staff
		8	2:00-2:50	M	W F	Wh 207		staff
		9	3:00-3:50	M	W F	HEc 128		staff
		10	4:00-4:50	M	W F	Wh 207		staff
		11	6:00-7:25 P.M.	M	W	Wh 207		staff
		T12	6:00-7:25 P.M.		Tu Th	Wh 207		staff
		13	7:35-9:00 P.M.		Tu Th	Wh 207		staff
FRENCH 123c-1 French Conversation Concurrent enrollment in GSD 123c								
		1	4:00-4:50		W	Wh 203		staff
		1	8:00-8:50		Th	Wh 203		staff
		T2	8:00-8:50	M		Wh 203		staff
		3	9:00-9:50		Th	M 310		staff
		4	9:00-9:50	M		Wh 203		staff
		5	11:00-11:50		Th	Gym 203		staff
		6 ⁴	12:00-12:50		Th	BrownH		staff
		7	1:00-1:50		Th	Gym 203		staff
		8	2:00-2:50		Th	Wh 207		staff
		9	3:00-3:50		Th	Wh 207		staff
		10	4:00-4:50		Th	Wh 207		staff
		11	6:00-6:50 P.M.		Th	Wh 203		staff
		T12	6:00-6:50 P.M.	M		Wh 203		staff
		13	7:35-8:25 P.M.	M		Wh 203		staff
126a-3 Elementary German								
		1 ⁵	8:00-8:50	M	W F	Wh 212		staff
		1	8:00-8:50		Tu Th S	HEc 128		staff
		T2	9:00-9:50	M	W	M 209		staff
			9:00-9:50		F	Wh 107		staff
		2	12:00-12:50	M	W F	Wh 107		staff
		3	9:00-9:50		Tu Th S	M 107		staff
		T3	2:00-2:50	M	W F	Wh 107		staff
		T4	10:00-10:50	M	W F	Gym 204		staff
		5 ⁴	10:00-10:50	M	W F	Abbott		staff
		6	11:00-11:50	M	W F	HEc 106		staff
		T7	11:00-11:50		Tu Th S	HEc 106		staff
		8	12:00-12:50	M	W F	Wh 212		staff
		T9	1:00-1:50	M	W F	HEc 106		staff
		10	2:00-2:50	M	W F	Wh 212		staff
		11	3:00-3:50	M	W F	Wh 212		staff

NOTE: All 3-hour GSD courses in foreign languages except Latin and Greek require two ½-hour laboratory periods as outside preparation.

⁴ Open to Thompson Point residents only

⁵ Special section with emphasis on conversation. For majors, minors, and others desiring to speak Spanish or German. Students taking Elementary Course Section 1 must enroll in one of the special double hour conversation sections; One hour per week in the laboratory required as homework will be arranged.

60 GENERAL STUDIES AREA D (GSD)

Course No. & Hours		Descriptive Title		Days		Bldg & Room		Prerequisite Instructor
Fall	Winter	Spring	Time					
126a-3 Elementary German								
12			4:00-4:50	M	W	F	HEc 120	staff
13			6:00-7:25 P.M.	M	W		HEc 128	staff
T14			6:00-7:25 P.M.	Tu	Th		HEc 106	staff
15			7:35-9:00 P.M.	M	W		Wh 212	staff
GER 126a-1 German Conversation								
1 ⁶			8:00-9:50	Tu			Wh 212	staff
	1		8:00-8:50	W			Gym 204	staff
T2			9:00-9:50		Th		M 312	staff
	2		12:00-12:50		Th		Wh 107	staff
3			9:00-9:50	W			M 203B	staff
	T3		2:00-2:50		Th		Wh 107	staff
T4			10:00-10:50		Th		Wh 113	staff
5 ⁴			10:00-10:50		Th		Abbott	staff
6			11:00-11:50		Th		M 104	staff
T7			11:00-11:50	W			Wh 212	staff
8			12:00-12:50		Th		Wh 203	staff
T9			1:00-1:50		Th		Wh 212	staff
10			2:00-2:50		Th		Wh 212	staff
11			3:00-3:50		Th		Wh 212	staff
12			4:00-4:50		Th		Wh 203	staff
13			6:00-6:50 P.M.		Th		Wh 203	staff
T14			6:00-6:50 P.M.	W			Wh 203	staff
15			7:35-8:25 P.M.		Th		Wh 212	staff
16 ⁶			1:00-2:50	Tu			Wh 212	staff
126b-3 Elementary German								
	1 ⁵		8:00-8:50	M	W	F	Wh 212	staff
		1	8:00-8:50	Tu	Th	S	HEc 106	staff
T2			9:00-9:50	M			Gym 203	staff
			9:00-9:50		W	F	M 206	staff
	2		12:00-12:50	M	W	F	HEc 128	staff
3			9:00-9:50	Tu	Th	S	HEc 120	staff
	T3		2:00-2:50	M	W	F	Gym 203	staff
T4			10:00-10:50	M	W	F	Wh 107	staff
5 ⁴			10:00-10:50	M	W	F	Abbott	staff
6			11:00-11:50	M	W	F	HEc 106	staff
T7			11:00-11:50	Tu	Th	S	HEc 106	staff
8			12:00-12:50	M	W	F	Wh 212	staff
T9			1:00-1:50	M	W	F	HEc 106	staff
10			2:00-2:50	M	W	F	Wh 212	staff
11			3:00-3:50	M	W	F	HEc 120	staff
12			4:00-4:50	M	W	F	Wh 107	staff
13			6:00-7:25 P.M.	Tu	Th		Wh 107	staff
14			7:35-9:00 P.M.	Tu	Th		Wh 212	staff
GER 126b-1 German Conversation								
1 ⁶			8:00-9:50	Tu			Wh 212	staff
	1		8:00-8:50	W			HEc 120	staff
T2			9:00-9:50		Th		M 203B	staff
	2		12:00-12:50		Th		HEc 128	staff
3			9:00-9:50	M			M 312	staff
	T3		2:00-2:50		Th		HEc 128	staff
T4			10:00-10:50		Th		HEc 128	staff
5 ⁴			10:00-10:50		Th		Abbott	staff
6			11:00-11:50		Th		Wh 107	staff
T7			11:00-11:50	W			Wh 212	staff
8			12:00-12:50		Th		Wh 203	staff
T9			1:00-1:50		Th		Wh 212	staff
10			2:00-2:50		Th		Wh 212	staff
11			3:00-3:50		Th		Wh 212	staff

GENERAL STUDIES AREA D (GSD) 61

Course No. & Hours		Descriptive Title		Days		Bldg & Room		Prerequisite Instructor
Fall	Winter	Spring	Time					
	12		4:00-4:50		Th	Wh 107		staff
	13		6:00-6:50 P.M.		W	Wh 203		staff
	14		7:35-8:25 P.M.	M		Wh 212		staff
	15 ⁶		1:00-2:50	Tu		Wh 212		staff
126c-3 Elementary German								
	1		2:00-2:50	M	W F	M 203		staff
		1 ⁵	8:00-8:50	M	W F	Wh 212		staff
		T2	9:00-9:50	M	W F	Stad 102		staff
		3	9:00-9:50		Tu Th S	Stad 102		staff
		T4	10:00-10:50	M	W F	Gym 204		staff
		5 ⁴	10:00-10:50	M	W F	Abbott		staff
		6	11:00-11:50	M	W F	HEc 106		staff
		7	12:00-12:50	M	W F	Wh 212		staff
		T8	1:00-1:50	M	W F	HEc 106		staff
		9	2:00-2:50	M	W F	Wh 212		staff
		10	3:00-3:50	M	W F	Gym 203		staff
		11	4:00-4:50	M	W F	Wh 107		staff
		12	6:00-7:25 P.M.	Tu	Th	Wh 107		staff
		13	7:35-9:00 P.M.	Tu	Th	Wh 212		staff
GER 126c-1 German Conversation Concurrent enrollment in GSD 126c								
	1		2:00-2:50		Th	HEc 120		staff
		1 ⁶	8:00-9:50	Tu		Wh 212		staff
		T2	9:00-9:50		Th	M 312		staff
		3	9:00-9:50		W	HEc 128		staff
		T4	10:00-10:50		Th	Wh 212		staff
		5 ⁴	10:00-10:50		Th	Abbott		staff
		6	11:00-11:50		Th	HEc 106		staff
		7	12:00-12:50		Th	Wh 203		staff
		T8	1:00-1:50		Th	Wh 212		staff
		9	2:00-2:50		Th	Wh 212		staff
		10	3:00-3:50		Th	HEc 128		staff
		11	4:00-4:50		Th	Wh 203		staff
		12	6:00-6:50 P.M.		W	Wh 203		staff
		13	7:35-8:25 P.M.	M		Wh 212		staff
		14 ⁶	1:00-2:50	Tu		Wh 212		staff
130a-3 Elementary Greek								
	1		8:00-8:50	Tu	W F	Wh 203		Miss Barry
130b-3								
	1		8:00-8:50	Tu	W F	Wh 203		Miss Barry
130c-3								
	1		8:00-8:50	Tu	W F	Wh 203		Miss Barry
133a-3 Elementary Latin								
	1		1:00-1:50	M	W F	HEc 128		Miss Smith
133b-3								
	1		1:00-1:50	M	W F	HEc 128		Miss Smith
133c-3								
	1		1:00-1:50	M	W F	HEc 128		Miss Smith
136a-3 Elementary Russian								
	1		9:00-9:50	M	W F	HEc 118		staff
	T2		10:00-10:50	Tu	Th S	Gym 203		staff
	3		2:00-2:50	M	W F	HEc 128		staff

NOTE: All 3-hour GSD courses in foreign languages except Latin and Greek require two ½-hour laboratory periods as outside preparation.

⁴ Open to Thompson Point residents only

⁵ Special section with emphasis on conversation. For majors, minors, and others desiring to speak Spanish or German. Students taking Elementary Course Section 1 must enroll in one of the special double hour conversation sections; One hour per week in the laboratory required as homework will be arranged.

⁶ Open only to those students taking the GSD special section 1, (See footnote 5 above).

62 GENERAL STUDIES AREA D (GSD)

Course No. & Hours		Descriptive Title		Days		Bldg & Room		Prerequisite
Fall	Winter	Spring	Time					Instructor
136a-3 Elementary Russian								
4			6:00-7:25 P.M.	Tu	Th	HEc 128		staff
RUSS 136a-1 Russian Conversation								
1			9:00-9:50		Th	M 102A		staff
T2			10:00-10:50	W		HEc 120		staff
3			2:00-2:50		Th	HEc 128		staff
4			6:00-6:50 P.M.	M		Wh 107		staff
136b-3 Elementary Russian								
1			9:00-9:50	M	W	F	Stad 101	staff
2			10:00-10:50	Tu	Th	S	HEc 120	staff
3			2:00-2:50	M	W	F	HEc 128	staff
4			6:00-7:25 P.M.	Tu	Th		HEc 128	staff
RUSS 136b-1 Russian Conversation								
1			9:00-9:50		Th	M 105		staff
2			10:00-10:50		W	Gym 203		staff
3			2:00-2:50	Tu		Wh 214		staff
4			6:00-6:50 P.M.	M		Wh 107		staff
136c-3 Elementary Russian								
1			9:00-9:50	M		HEc 128		staff
			9:00-9:50		W	M 306A		staff
			9:00-9:50			F	M 210	staff
2			10:00-10:50	Tu	Th	S	M 203	staff
3			2:00-2:50	M	W	F	HEc 128	staff
4			6:00-7:25 P.M.	Tu	Th		HEc 128	staff
RUSS 136c-1 Russian Conversation								
1			9:00-9:50		Th	HEc 301		staff
2			10:00-10:50		W	Wh 107		staff
3			2:00-2:50	Tu		Wh 214		staff
4			6:00-6:50 P.M.	M		Wh 107		staff
140a-3 Elementary Spanish								
1 ⁵			9:00-9:50	M	W	F	Wh 214	staff
T1			10:00-10:50	Tu	Th	S	M 203	staff
T2			8:00-8:50	M	W	F	HEc 120	staff
2			1:00-1:50	M	W	F	Gym 203	staff
3			9:00-9:50	Tu	Th	S	M 105	staff
T3			6:00-7:25	Tu	Th		HEc 106	staff
4			10:00-10:50	M	W	F	Wh 214	staff
T5			10:00-10:50	Tu	Th	S	Gym 204	staff
6			11:00-11:50	M	W	F	M 107	staff
7			12:00-12:50	M	W	F	Wh 107	staff
8 ⁴			1:00-1:50	M	W	F	Abbott	staff
9			2:00-2:50	M	W	F	Gym 203	staff
10			3:00-3:50	M	W	F	Wh 214	staff
T11			4:00-4:50	M	W	F	Gym 203	staff
12			6:00-7:25 P.M.	Tu	Th		Wh 214	staff
T13			7:35-9:00 P.M.	Tu	Th		Wh 214	staff
SPAN 140a-1 Spanish Conversation								
1 ⁶			8:00-9:50	Tu			Wh 214	staff
T1			10:00-10:50		W		Gym 204	staff
T2			8:00-8:50		Th		HEc 128	staff
2			1:00-1:50		Th		HEc 106	staff
3			9:00-9:50	M			M 312	staff
T3			6:00-6:50	M			HEc 106	staff
4			10:00-10:50		Th		HEc 128	staff
T5			10:00-10:50		W		HEc 106	staff
6			11:00-11:50		Th		M 107	staff
7			12:00-12:50	Tu			Wh 203	staff
8 ⁴			1:00-1:50		Th		Abbott	staff
T9			2:00-2:50		Th		Wh 214	staff

Course No. & Hours		Descriptive Title		Days		Bldg & Room		Prerequisite Instructor
Fall	Winter	Spring	Time					
10			3:00-3:50		Th	Wh 214		staff
T11			4:00-4:50		Th	Wh 214		staff
12			6:00-6:50	M		Wh 214		staff
T13			7:35-8:25 P.M.	M		Wh 214		staff
14 ⁶			11:00-12:50	Tu		Gym 204		staff
140b-3 Elementary Spanish								
	1 ⁵		9:00-9:50	M	W F	Wh 214		staff
	T1		10:00-10:50	Tu	Th S	Gym 203		staff
	T2		8:00-8:50	M	W F	Gym 203		staff
	2		1:00-1:50	M	W F	Gym 204		staff
	3		9:00-9:50	Tu	Th S	M 107		staff
	T3		6:00-7:25	M	W	HEc 128		staff
	4		10:00-10:50	M	W F	Wh 214		staff
	5		11:00-11:50	M	W F	M 107		staff
	6		12:00-12:50	M	W F	Wh 214		staff
	7 ⁴		1:00-1:50	M	W F	Abbott		staff
	T8		2:00-2:50	M	W F	Gym 203		staff
	9		3:00-3:50	M	W F	Wh 214		staff
	T10		4:00-4:50	M	W F	HEc 128		staff
	11		6:00-7:25 P.M.	Tu	Th	Wh 214		staff
	T12		7:35-9:00 P.M.	Tu	Th	Wh 214		staff
SPAN 140b-1 Spanish Conversation Concurrent enrollment in GSD 140b								
	1 ⁶		8:00-9:50	Tu		Wh 214		staff
	T1		10:00-10:50	W		M 105		staff
	T2		8:00-8:50		Th	HEc 106		staff
	2		1:00-1:50		Th	Wh 214		staff
	3		9:00-9:50		F	HEc 128		staff
	T3		6:00-6:50		Th	HEc 106		staff
	4		10:00-10:50		Th	Gym 203		staff
	5		11:00-11:50		Th	M 107		staff
	6		12:00-12:50	Tu		Wh 203		staff
	7 ⁴		1:00-1:50		Th	Abbott		staff
	T8		2:00-2:50		Th	Wh 214		staff
	9		3:00-3:50		Th	Wh 214		staff
	T10		4:00-4:50		Th	Wh 214		staff
	11		6:00-6:50 P.M.	M		Wh 214		staff
	T12		7:35-8:25 P.M.	M		Wh 214		staff
	13 ⁶		11:00-12:50	Tu		Gym 203		staff
140c-3 Elementary Spanish								
	1		1:00-1:50	M	W F	Gym 203		staff
	1 ⁵		9:00-9:50	M	W F	Wh 214		staff
	T2		8:00-8:50	M	W F	Gym 203		staff
	3		9:00-9:50	Tu		Wh 113		staff
			9:00-9:50		Th S	Wh 214		staff
	4		10:00-10:50	M	W F	Wh 214		staff
	5		11:00-11:50	M	W F	M 107		staff
	6		12:00-12:50	M	W F	Wh 107		staff
	7 ⁴		1:00-1:50	M	W F	Abbott		staff
	T8		2:00-2:50	M	W F	M 107		staff
	9		3:00-3:50	M	W F	Wh 214		staff
	10		6:00-7:25 P.M.	Tu	Th	Wh 214		staff

NOTE: All 3-hour GSD courses in foreign languages except Latin and Greek require two ½-hour laboratory periods as outside preparation.

⁴ Open to Thompson Point residents only

⁵ Special section with emphasis on conversation. For majors, minors, and others desiring to speak Spanish or German. Students taking Elementary Course Section 1 must enroll in one of the special double hour conversation sections; One hour per week in the laboratory required as homework will be arranged.

⁶ Open only to those students taking the GSD special section 1, (See footnote 5 above).

64 GENERAL STUDIES AREA D (GSD)

Course No. & Hours			Descriptive Title		Days		Bldg & Room		Prerequisite
Fall	Winter	Spring	Time						Instructor
140c-3 Elementary Spanish									
	T11		7:35-9:00 P.M.		Tu	Th	Wh 214		staff
SPAN 140c-1 Spanish Conversation									
	1		1:00-1:50		Tu		HEc 120		staff
		1 ⁶	8:00-9:50		Tu		Wh 214		staff
		T2	8:00-8:50			Th	M 203		staff
		3	9:00-9:50			W	M 201		staff
		4	10:00-10:50			Th	Gym 204		staff
		5	11:00-11:50			Th	M 215		staff
		6	12:00-12:50		Tu		Wh 203		staff
		7 ¹	1:00-1:50			Th	Abbott		staff
		T8	2:00-2:50			Th	Wh 214		staff
		9	3:00-3:50			Th	Wh 214		staff
		10	6:00-6:50 P.M.		M		Wh 214		staff
		T11	7:35-8:25 P.M.		M		Wh 214		staff
		12 ⁶	11:00-12:50		Tu		HEc 106		staff

GENERAL STUDIES AREA E—HEALTH and PHYSICAL DEVELOPMENT (GSE)

100M-1 Restricted Physical Education									
	1	1	1	10:00-10:50	M	W	F	Arena	Mr Spackman
	2	2	2	11:00-11:50	M	W	F	Arena	Mr Greene
101M-1 Beginning Swimming									
	1	1		8:00-8:50	M	W	F	Pool	staff
	2	2		9:00-9:50	M	W	F	Pool	staff
			1	11:00-11:50	M	W	F	Pool	staff
		3	2	12:00-12:50	M	W	F	Pool	staff
	3		3	1:00-1:50	M	W	F	Pool	staff
			4	4:00-4:50	MTuWTh			Pool	Mr Shea
				(First 8 weeks of quarter)					
		4		7:00-7:50 P.M.	MTu	Th		Pool	staff
103M-1 Personal Fitness									
	1	1	1	8:00-8:50	MTu	Th		Arena	Mr Cross
	T2	T2	T2	8:00-8:50	M	W	F	Arena	staff
	T3	T3	T3	8:00-8:50		W	FS	Arena	staff
	T4	T4	T4	8:00-8:50		Tu	Th S	Arena	staff
	5	5	5	9:00-9:50	MTu	Th		Arena	Mr Cross
	T6	T6	T6	9:00-9:50	M	W	F	Arena	staff
	T7	T7	T7	9:00-9:50		W	FS	Arena	staff
	T8	T8	T8	9:00-9:50		Tu	Th S	Arena	staff
	9	9	9	10:00-10:50		W	FS	Arena	staff
	T10	T10	T10	10:00-10:50		W	FS	Arena	staff
	T11	T11	T11	11:00-11:50	MTu	Th		Arena	staff
	T12	T12	12	11:00-11:50		W	FS	Arena	staff
	T13	T13		11:00-11:50	M	W	F	Arena	staff
	T14	T14		11:00-11:50		Tu	Th S	Arena	staff
	T15	T15	T13	12:00-12:50	M	W	F	Arena	staff
	T16	16	14	12:00-12:50	M	W	F	Arena	staff
	T17	T17		12:00-1:30		Tu	Th	Arena	staff
	18	18	T15	1:00-1:50	M	W	F	Arena	staff
	T19	T19		1:00-1:50	M	W	F	Arena	staff
	T20	T20	T16	1:00-2:30		Tu	Th	Arena	staff
	21	21	T17	2:00-2:50	M	W	F	Arena	staff
	T22	T22		2:00-2:50	M	W	F	Arena	staff
	T23	23	T18	2:00-3:30		Tu	Th	Arena	staff
	T24	T24	T19	5:00-6:30 P.M.	M	W		Arena	staff
	T25	T25	T20	5:00-6:30 P.M.		Tu	Th	Arena	staff

Course No. & Hours		Descriptive Title		Days			Bldg & Room		Prerequisite Instructor
Fall	Winter	Spring	Time						
111M-1 Intermediate Swimming									
1			11:00-11:50	M	W	F	Pool		staff
2			12:00-12:50	M	W	F	Pool		staff
	1		1:00-1:50	M	W	F	Pool		staff
	2	1	8:00-9:50			S	Pool		staff
	3	2	10:00-11:50			S	Pool		staff
T3	T4	T3	12:00-12:50	Tu	Th		Pool		staff
114M-1 Speedball									
T1		T1	8:00-8:50	M	W	F	Arena		staff
T2		T2	8:00-8:50	Tu	Th	S	Arena		staff
115M-1 Softball									
		T1	12:00-1:30	Tu	Th		Arena		staff
		T2	2:00-3:30	Tu	Th		Arena		staff
116M-1 Archery									
T1		T1	10:00-10:50		W	FS	Arena		staff
124M-1 Basketball									
	T1	T1	10:00-10:40		W	FS	Arena		staff
	T2	T2	10:40-11:20		W	FS	Arena		staff
	T3	T3	11:20-12:00		W	FS	Arena		staff
	T4	T4	11:00-11:40	MTu	Th		Arena		staff
	T5	T5	11:40-12:20	MTu	Th		Arena		staff
	T6	T6	12:20-1:00	MTu	Th		Arena		staff
	7	T7	12:00-1:30		W	F	Arena		staff
	8	T8	1:30-3:00		W	F	Arena		staff
126M-1 Beginning Bowling (Fee required)									
T1	1	T1	8:00-8:50	M	W	F	Bowling Alley		staff
T2	2	T2	9:00-9:50	M	W	F	Bowling Alley		staff
T3	3	T3	9:00-9:50		Tu	Th	S	Bowling Alley	staff
4	4	4	10:00-10:50			W	FS	Bowling Alley	staff
5	5	5	11:00-11:50	M	W	F	Bowling Alley		staff
6	6	6	11:00-11:50		Tu	Th	S	Bowling Alley	staff
7	7	7	12:00-12:50	M	W	F	Bowling Alley		staff
8	8	8	12:00-1:30		Tu	Th		Bowling Alley	staff
9	9	9	1:00-1:50	M	W	F	Bowling Alley		staff
T10	10	T10	1:30-3:00		Tu	Th		Bowling Alley	staff
T11	11	T11	2:00-2:50	M	W	F	Bowling Alley		staff
T12	T12	T12	3:00-3:50	M	W	F	Bowling Alley		staff
T13	T13	T13	3:00-4:30		Tu	Th		Bowling Alley	staff
T14	T14	T14	8:00-8:50		Tu	Th	S	Bowling Alley	staff
128M-1 Tennis									
(Fall Sections are for 1st 9 weeks of quarter)									
T1			8:00-9:50		Tu	Th	Tennis Cts		staff
T2			8:00-9:50			FS	Tennis Cts		staff
T3			10:00-11:50	M	W		Tennis Cts		staff
4			10:00-11:50			FS	Tennis Cts		staff
5			11:00-12:50		Tu	Th	Tennis Cts		staff
T6			12:00-1:50	M	W		Tennis Cts		staff
7			1:00-2:50		Tu	Th	Tennis Cts		staff
T8			2:00-3:50	M	W		Tennis Cts		staff
T9			12:00-2:30			F	Tennis Cts		staff
		T1	8:00-8:50		Tu	Th	F	Tennis Cts	staff
		2	9:00-9:50		Tu	Th	F	Tennis Cts	staff
		3	10:00-10:50			W	FS	Tennis Cts	staff
		T4	11:00-12:50				F	Tennis Cts	staff
			11:00-11:50				S	Tennis Cts	staff
		5	1:00-1:50	M	W	F	Tennis Cts		staff
		6	1:00-2:30		Tu	Th	Tennis Cts		staff
		T7	2:00-2:50	M	W	F	Tennis Cts		staff
		T8	2:00-3:30		Tu	Th	Tennis Cts		staff

66 GENERAL STUDIES AREA E (GSE)

Course No. & Hours		Descriptive Title		Days			Bldg & Room	Prerequisite Instructor	
Fall	Winter	Spring	Time						
134M-1 Soccer									
T1		T1	1:00–1:50	M	W	F	Arena	staff	
T2		T2	2:00–2:50	M	W	F	Arena	staff	
136M-1 Golf									
(First 6 Fall sections are for 1st 9 weeks)									
T1			8:00–9:50	M	W		Arena	staff	
T2			8:00–9:50			FS	Arena	staff	
3			10:00–11:50	M	W		Arena	staff	
4			10:00–11:50			FS	Arena	staff	
5			11:00–12:50		Tu	Th	Arena	staff	
6			1:00–3:00		Tu	Th	Arena	staff	
7			12:00–12:50	M	W	F	Arena	staff	
8			1:00–1:50	M	W	F	Arena	staff	
T9			2:00–2:50	M	W	F	Arena	staff	
T10			3:00–3:50	M	W	F	Arena	staff	
T11			4:00–4:50	M	W	F	Arena	staff	
T12			3:00–4:30		Tu	Th	Arena	staff	
		T1	8:00–9:30	M	W		Arena	staff	
		T2	8:00–9:30			FS	Arena	staff	
		T3	9:00–10:30	M	W		Arena	staff	
		T4	9:00–10:30			FS	Arena	staff	
		T5	10:00–11:30	M	W		Arena	staff	
		6	10:00–11:30			FS	Arena	staff	
		7	11:00–12:30		Tu	Th	Arena	staff	
		8	12:00–12:50	M	W	F	Arena	staff	
		9	12:30–1:50		Tu	Th	Arena	staff	
		10	1:00–1:50	M	W	F	Arena	staff	
		11	2:00–2:50	M	W	F	Arena	staff	
		T12	2:00–3:30		Tu	Th	Arena	staff	
		T13	3:00–3:50	M	W	F	Arena	staff	
		T14	3:30–4:50		Tu	Th	Arena	staff	
		T15	4:00–4:50	M	W	F	Arena	staff	
139M-1 Gymnastics									
	T1		11:00–11:50	M	W	F	Arena	staff	
T1	T2	T1	12:00–12:50	M	W	F	Arena	staff	
T2	T3	T2	1:00–1:50	M	W	F	Arena	staff	
	T4		2:00–2:50	M	W	F	Arena	staff	
142M-1 ¹ Square and Social Dance									
T1			4:00–4:50	M	W	F	Gym 114	staff	
T2			4:00–5:50		Tu	Th	Gym 114	staff	
T3			5:00–5:50	M	W	F	Gym 114	staff	
	T1		10:00–10:50		Tu	W	F	Gym 114	staff
	T2		2:00–2:50	M	W	F	Gym 114	staff	
	3		3:00–3:50	M	W	F	Gym 114	staff	
	4		4:00–5:50		Tu	Th	Gym 114	staff	
	T5		5:00–5:50	M	W	F	Gym 114	staff	
	T6		6:00–6:50 P.M.	M	W	Th	Gym 114	staff	
		T1	12:00–12:50	M	W	F	Gym 114	staff	
		T2	12:00–12:50	M	W	F	Gym 114	Mr Franklin	
		T3	3:00–3:50	M	W	F	Gym 114	staff	
		T4	4:00–4:50	M	W	F	Gym 114	staff	
144M-1 Volleyball and Touch Football									
T1	T1	T1	1:00–1:50	M	W	F	Arena	staff	
T2	T2	T2	2:00–2:50	M	W	F	Arena	staff	
146M-1 Personal Defense									
T1	T1		8:00–8:50		W	FS	Arena	staff	
T2	T2		9:00–9:50		W	FS	Arena	staff	
T3	T3		10:00–10:50		W	FS	Arena	staff	

Course No. & Hours		Descriptive Title		Days		Bldg & Room		Prerequisite
Fall	Winter	Spring	Time					Instructor
147M-1 Wrestling								
1	T1		11:00-12:30	Tu	Th	Arena		staff
	T2		12:00-1:30	Tu	Th	Arena		staff
	T3		1:00-2:30	Tu	Th	Arena		staff
148M-1 Cross Country								
1			10:00-10:50	WTh	S	Arena		staff
	T2		11:00-11:50	WTh	S	Arena		staff
149M-1 Stunts and Tumbling								
1	T1	T1	8:00-8:50	W	FS	Arena		staff
	T2	T2	9:00-9:50	W	FS	Arena		staff
		T3	11:00-11:50	Tu	Th S	Arena		staff
		T4	12:00-1:30	Tu	Th	Arena		staff
		T5	1:00-2:30	Tu	Th	Arena		staff
		6	2:00-3:30	Tu	Th	Arena		staff
100W-1 Restricted Physical Education								
1			11:00-11:50	M	W F	Gym 114		Miss Wood
101W-1 Beginning Swimming								
1 ²	1	1	10:00-10:50	TuW	F	Pool		Miss Cobb
2 ²	2	2	2:00-2:50	M	W F	Pool		Miss Cobb
3 ²	3	3	3:00-3:50	M	W F	Pool		Miss Cobb
4 ²		4	7:00-7:50 P.M.	MTu	Th	Pool		Mrs Dakak
5 ²			8:00-8:50 P.M.	MTu	Th	Pool		Mrs Dakak
102W-1 Beginning Contemporary Dance								
1	1		8:00-8:50	M	W F	Gym 208		Mrs Dakak
2	2	1	9:00-9:50	Tu	Th S	Gym 208		Mrs Dakak
3	T3		9:00-9:50	M	W F	Gym 208		Mrs Dakak
4			12:00-12:50	M	W F	Gym 208		Miss Dempsey
5			1:00-1:50	M	W F	Gym 208		Miss West
	4		11:00-11:50	M	W F	Gym 208		Miss Dempsey
103W-1 Fundamentals of Body Movement								
1		1	8:00-8:50	M	W F	Gym 207		Miss Wood
2		2	9:00-9:50	M	W F	Gym 207		Miss Wood
	T3		10:00-10:50	TuW	F	Gym 207		staff
4	T1		10:00-10:50	M	Th S	Gym 207		staff
5	2		11:00-11:50	M	W F	Gym 207		staff
6	3		12:00-12:50	M	W F	Gym 207		staff
7			3:00-3:50	M	W F	Gym 207		staff
8			4:00-4:50	M	W F	Gym 207		staff
9		T3	5:00-5:50 P.M.	M	W F	Gym 207		staff
T10			7:00-7:50 P.M.	M	WTh	Gym 207		staff
	4		1:00-1:50	M	W F	Gym 207		staff
	5		2:00-2:50	M	W F	Gym 207		staff
	6		5:00-5:50 P.M.	M	WTh	Gym 207		staff
110W-1 Restricted Physical Education								
1			1:00-1:50	M	W F	Gym 114		Miss Wood
111W-1 Intermediate Swimming								
1	1		10:00-10:50	TuW	F	Pool		Miss Thorpe
2	2		2:00-2:50	M	W F	Pool		Miss West
3		1	3:00-3:50	M	W F	Pool		Miss Davies
T4		T2	7:00-7:50 P.M.	MTu	Th	Pool		staff
T5			8:00-8:50 P.M.	MTu	Th	Pool		staff
112W-1 Intermediate Contemporary Dance								
	T1	1	9:00-9:50	M	W F	Gym 208		Mrs Dakak
	2		10:00-10:50	TuW	F	Gym 207		Mrs Dakak

¹ Cross-listed with 142W² All entering women students who cannot pass a swimming safety test must take Beginning Swimming

68 GENERAL STUDIES AREA E (GSE)

Course No. & Hours		Descriptive Title		Days		Bldg & Room		Prerequisite Instructor
Fall	Winter	Spring	Time					
115W-1	Softball							
		T1	3:00-3:50	M	W F	Gym 208		staff
116W-1	Archery							
		T1	10:00-11:50	Tu	Th	Gym 208		staff
		2	12:00-1:50	Tu	Th	Gym 208		staff
		1	1:00-2:50	Tu	Th	Gym 208		staff
117W-1	Badminton							
		T1	1	1	8:00-8:50	Tu Th S	Gym 208	staff
		T2			10:00-10:50	W FS	Gym 208	staff
		T3			5:00-5:50 P.M.	M WTh	Gym 208	staff
		T4			5:00-6:50 P.M.	Tu Th	Gym 208	staff
			T2		10:00-10:50	TuW F	Gym 208	staff
			T3		12:00-12:50	M W F	Gym 208	staff
			T4		1:00-1:50	M W F	Gym 208	staff
			T2		2:00-2:50	M W F	Gym 208	staff
			T3		3:00-3:50	M W F	Gym 208	staff
118W-1	Beginning Fencing							
		1	1		8:00-9:50	Tu Th	Gym 207	Miss Cobb
		2	1		11:00-12:50	Tu Th	Gym 207	staff
			2		1:00-2:50	Tu Th	Gym 207	Miss Cobb
			2		10:00-10:50	TuW F	Gym 207	Miss Cobb
			3		12:00-12:50	M W F	Gym 207	staff
			T4		5:00-5:50 P.M.	M W F	Gym 207	staff
			T5		7:00-7:50 P.M.	M WTh	Gym 207	staff
119W-1	Beginning Golf							
			1		8:00-8:50	M W F	Gym 114	Miss Wood
			2		9:00-9:50	M W F	Gym 114	Miss Wood
			3		12:00-12:50	Tu ThF	Gym 114	Miss West
			4		1:00-1:50	M W F	Gym 114	Miss Thorpe
			5		2:00-2:50	M W F	Gym 114	Miss Thorpe
120W-1	Restricted Physical Education							
			1		10:00-10:50	TuW F	Gym 114	Miss Wood
122W-1	Folk Dancing							
			1		9:00-9:50	M W F	Gym 114	Miss Stehr
			2		12:00-12:50	M W F	Gym 114	Miss Dempsey
			T3		1:00-2:50	Tu Th	Gym 114	staff
124W-1	Basketball							
			T1		5:00-5:50 P.M.	M WTh	Gym 208	staff
			T2		6:00-6:50 P.M.	M WTh	Gym 208	staff
125W-1	Volleyball							
			T1		2:00-3:50	Tu Th	Gym 208	staff
126W-1	Beginning Bowling (fee required)							
		T1	1	T1	8:00-8:50	M W F	Bowling Alley	staff
		T2	2	T2	8:00-9:50	Tu Th	Bowling Alley	staff
		T3	T3	T3	9:00-9:50	M W F	Bowling Alley	staff
		T4	T4		10:00-10:50	TuW F	Bowling Alley	staff
				T4	10:00-10:50	M W F	Bowling Alley	staff
				T5	10:00-11:50	Tu Th	Bowling Alley	staff
		T5	T5	T6	11:00-11:50	M W F	Bowling Alley	staff
		6	T6		11:00-12:50	Tu Th	Bowling Alley	staff
		T7	T7	T7	12:00-12:50	M W F	Bowling Alley	staff
				T8	12:00-1:50	Tu Th	Bowling Alley	staff
		T8	T8	T9	1:00-1:50	M W F	Bowling Alley	staff
		T9	9		1:00-2:50	Tu Th	Bowling Alley	staff
			T10	T10	2:00-2:50	M W F	Bowling Alley	staff
128W-1	Beginning Tennis							
					(Fall sections are first 6 weeks of quarter)			
		1			8:00-9:50	MTuWThF	Gym 206	staff

GENERAL STUDIES AREA E (GSE) 69

Course No. & Hours			Descriptive Title		Days		Bldg & Room		Prerequisite Instructor	
Fall	Winter	Spring	Time							
T2			10:00-11:50		MTuWThF		Gym 206		staff	
T3			12:00-1:50		MTuWThF		Gym 206		staff	
T4			2:00-3:50		MTuWThF		Gym 206		staff	
		1	8:00-9:50		W F		Gym 206		staff	
		2	8:00-9:50		Tu Th		Gym 206		staff	
		T3	10:00-11:50		M Th		Gym 206		staff	
		T4	12:00-1:50		Tu Th		Gym 206		staff	
		T5	2:00-3:50		Tu Th		Gym 206		staff	
142W-1 ³ Square and Social Dance										
		T1	10:00-10:50		TuW F		Gym 114		staff	
		T1	12:00-12:50		M W F		Gym 114	Mr Franklin		
		T2	12:00-12:50		M W F		Gym 114		staff	
		T2	2:00-2:50		M W F		Gym 114		staff	
		3 T3	3:00-3:50		M W F		Gym 114		staff	
		T4	4:00-4:50		M W F		Gym 114		staff	
T1			4:00-5:50		Tu Th		Gym 114		staff	
T2	4		5:00-5:50 P.M.		M W F		Gym 114		staff	
T3	T5		6:00-6:50 P.M.		M WTh		Gym 114		staff	
	T6									
201-3 Healthful Living										
1 ⁴	1 ⁴	1 ⁴	8:00-8:50		Tu Th S		Pierce		staff	
2	2	2	9:00-9:50		M W F		M 102		staff	
3	3	3	9:00-9:50		M W F		M 102A		staff	
4	4	4	9:00-9:50		M W F		M 104		staff	
5	5	5	9:00-9:50		M W F		M 105		staff	
6	6	6	9:00-9:50		M W F		M 107		staff	
7	7	7	9:00-9:50		M W F		M 301		staff	
8	8	8	9:00-9:50		M W F		M 304		staff	
T9	T9	T9	10:00-10:50		Tu Th S		M 105		staff	
10 ⁴	10 ⁴	10 ⁴	10:00-10:50		M W F		Pierce		staff	
T11	T11	T11	11:00-11:50		Tu Th S		M 105		staff	
12	12	12	11:00-11:50		M W F		M 105		staff	
T13	T13	T13	12:00-12:50		M		M 210		staff	
			12:00-12:50		Tu Th		M 105		staff	
14	14	14	1:00-1:50		M W		M 102		staff	
			1:00-1:50			F	M 209		staff	
15	15	15	1:00-1:50		M W		M 102A		staff	
			1:00-1:50			F	M 213		staff	
16	16	16	1:00-1:50		M W		M 104		staff	
			1:00-1:50			F	M 215		staff	
17	17	17	1:00-1:50		M W		M 105		staff	
			1:00-1:50			F	M 310		staff	
18	18	18	1:00-1:50		M W		M 107		staff	
			1:00-1:50			F	Wham 228		staff	
19	19	19	1:00-1:50		M W		M 301		staff	
			1:00-1:50			F	Wham 208		staff	
20	20	20	1:00-1:50		M W		M 304		staff	
			1:00-1:50			F	Wham 326		staff	
21	21	21	2:00-2:50		MTuW		M 105		staff	
T22	T22	T22	3:00-3:50		Tu ThF		M 105		staff	
23	23	23	6:00-7:25 P.M.		Tu Th		M 105		staff	
24	24	24	7:35-9:00 P.M.		M W		M 105		staff	
T25	T25	T25	7:35-9:00 P.M.		Tu Th		M 105		staff	

³Cross-listed with 142M

Freshman women planning to major in physical education should refer to the listing of courses under Physical Education for Women for information on courses they are to take in lieu of GSE.

⁴Open to Thompson Point residents only.

Course No. & Hours — Descriptive Title		Days	Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring	Time	

250-4	Accounting Fundamentals	1	1	12:00-12:50	MTuWTh	T32 R110	Mr Rooke	
251a-4	Elementary Accounting	1	1	8:00-8:50	TuW FS	T32 R110	staff	
		2		9:00-9:50	TuW FS	T32 R110	staff	
		3		10:00-11:50	M Th	T32 R110	staff	
		4	2	4:00-4:50	MTuWTh	T32 R110	staff	
		5		5:45-7:25 P.M.	Tu Th	T32 R110	staff	
251b-4		1		8:00-9:50	M Th	T32 R110	staff	
		2	1	9:00-9:50	TuW FS	T32 R110	staff	
	1	3		11:00-11:50	TuW FS	T32 R110	staff	
	2			3:00-3:50	MTuWTh	T32 R110	staff	
			2	2:00-3:50	Tu	T32 R110	staff	
				2:00-3:50		F	T32 R111	staff
		4		5:45-7:25 P.M.	M W	T32 R110	staff	
251c-4		1	1	8:00-9:50	M Th	T32 R110	staff	
		2		2:00-2:50	TuWThF	T32 R110	staff	
		1	2	10:00-11:50	M Th	T32 R110	staff	
			3	10:00-10:50	TuW FS	T32 R110	staff	
		2	4	1:00-1:50	M WThF	T32 R110	staff	
			T5	2:00-2:50	MTuWTh	T32 R111	staff	
			6	5:45-7:25 P.M.	Tu Th	T32 R110	staff	
309-2	Individual Income Tax	1		1:00-1:50	Tu Th	T32 R111	Miss Barron	
331-5	Tax Accounting	1	1	12:00-12:50	MTuWThF	T32 R111	Miss Barron	
341-3	Cost Accounting	1		3:00-3:50	W W F	T32 R111	Mr Schmidlein	
			1	1:00-1:50	M W F	T32 R111	Mr Schmidlein	
		T2		10:00-10:50	TuW F	T32 R110	staff	
351a-4	Advanced Accounting	1		10:00-10:50	TuW FS	T32 R111	Mr Richards	
		2		1:00-1:50	MTuW F	T32 R110	Mr Richards	
			1	3:00-3:50	MTuW F	T32 R110	Mr Page	
351b-4		1		10:00-10:50	TuW FS	T32 R111	Mr Page	
		2		2:00-2:50	MTuW F	T32 R111	Mr Page	
			1	3:00-3:50	M WThF	T32 R110	Mr Page	
351c-4		1	1	10:00-11:50	M Th	T32 R111	Mr Richards	
		1	2	3:00-3:50	MTuWTh	T32 R111	Mr Richards	
355-3	Governmental Accounting	1		2:00-2:50	M W F	T32 R111	Mr Richards	
356-5	Auditing	1	1	1:00-1:50	MTuWThF	T32 R111	Mr Page	
410-4	Survey of Accounting	1		10:00-11:50	Tu F	T32 R111	staff	
415-4	E.D.P. in Business	T1	T1	4:00-4:50	MTuWTh	M 213	staff	
432-4	Problems in Federal Taxation	1		12:00-12:50	MTu ThF	T32 R111	Miss Barron	
442-4	Advanced Cost Accounting	1	1	2:00-2:50	M WThF	T32 R110	Mr Schmidlein	
458-4	Accounting Systems	T1		10:00-10:50	TuW FS	T32 R110	staff	

Course No. & Hours —		Descriptive Title		Days		Bldg & Room		Prerequisite
Fall	Winter	Spring	Time					Instructor
459-4 Internship in Accounting Consent of department								
1	1	1	To be arranged			T32 R118	Mr Swick	
461-4 C.P.A. and Advanced Accounting Problems 341 and 351b								
		1	5:45–7:25 P.M.	Tu	Th	T32 R111	Mr Richards	
500-1 to 5 Readings in Accounting								
1	1	1	To be arranged			T32 R118	staff	
501-1 to 5 Individual Research in Accounting								
1	1	1	To be arranged			T32 R118	staff	
550-4 Accounting Theory								
1			5:45–7:25 P.M.	M	W	T32 R111	Mr Schmidlein	
557-4 Advanced Auditing								
1			2:00–3:50	Tu	Th	T32 R111	Mr Page	
562-4 C.P.A. and Advanced Problems 341 and 351b								
	1		5:45–7:25 P.M.	Tu	Th	T32 R111	Mr Richards	
565-4 Controllership 251c								
		1	5:45–7:25 P.M.	M	W	T32 R111	Mr Schmidlein	
599-1 to 9 Thesis								
1	1	1	To be arranged				staff	

AGRICULTURAL INDUSTRIES (AG I)

114-4	Introduction to Agricultural Economics					
1		1:00-1:50	MTuW		Ag 214	Mr Herr
		1:00-2:50	Th		Ag 225	Mr Herr
2		1:00-1:50	MTuW		Ag 214	Mr Herr
		1:00-2:50	F		Ag 225	Mr Herr
3		1:00-1:50	MTuW		Ag 214	Mr Herr
		8:00-9:50	M		Ag 225	Mr Herr
1		3:00-3:50	MTuW		Ag 214	Mr Herr
		3:00-4:50	Th		Ag 225	Mr Herr
2		3:00-3:50	MTuW		Ag 214	Mr Herr
		3:00-4:50	F		Ag 225	Mr Herr
3		3:00-3:50	MTuW		Ag 214	Mr Herr
		8:00-9:50	S		Ag 225	Mr Herr
210-2	Introduction to Agricultural Education					
1		4:00-4:50	M	W	Ag 225	Mr Benton
214-2	Agricultural Drawing					
1		8:00-9:50	Th S		Ag 195	Mr Shute
2		10:00-11:50	W F		Ag 195	Mr Shute
3		1:00-2:50	M	W	Ag 195	Mr Shute
T4		12:00-1:50	Tu	Th	Ag 195	Mr Shute
215-4	Introduction to Farm Structures and Electrification					
1		4:00-4:50	W F		Ag 225	Mr Shute
		3:00-4:50	Tu Th		Ag 155	Mr Shute
2		4:00-4:50	W F		Ag 225	Mr Shute
		8:00-9:50	Tu Th		Ag 155	Mr Shute
303-4	Surveying GSD 114c					
1		12:00-12:50	Th		Ag 225	Mr Shute
		1:00-3:50	M	Th	Ag 195	Mr Shute
2		12:00-12:50	Th		Ag 225	Mr Shute
		1:00-3:50	W F		Ag 195	Mr Shute
T3		12:00-12:50	Th		Ag 225	Mr Shute
		8:00-10:50	W S		Ag 195	Mr Shute
1		12:00-12:50	F		Ag 225	Mr Shute
		8:00-10:50	W S		Ag 195	Mr Shute
2		12:00-12:50	F		Ag 225	Mr Shute
		1:00-3:50	M	W	Ag 195	Mr Shute
306a-3 ¹	Soil and Water Conservation (Lecture) Pl. I. 103					
1		8:00-8:50	M	W F	Ag 172	Mr Horton

72 AGRICULTURAL INDUSTRIES (AG I)

Course No. & Hours — Descriptive Title				Days		Bldg & Room		Prerequisite Instructor
Fall	Winter	Spring	Time					
306b-2 ¹	Soil and Water Conservation (Laboratory)						306a or concurrent registration	
1			8:00-8:50	Tu		Ag 195		Mr Shute
			8:00-9:50		Th	Ag 195		Mr Shute
307-2	Summer Practice in Vocational Agriculture						48 hrs of Ag, GSB 331	
1			To be arranged					Mr Wood
309-5	Agricultural Education						48 hrs of Ag, GSB 331	
1			3:00-4:50	MTuWThF		Ag 155		Mr Wood
	1		8:00-9:50	MTuWThF		Ag 155		Mr Wood
310-4	General Agriculture							
	1		3:00-3:50	M	W	F	Ag 225	Mr Wood
311-3	Adult Education in Agriculture						Consent of department	
1			1:00-2:50	M	W	F	Ag 155	Mr Benton
	1		10:00-11:50	M	W	S	Ag 155	Mr Benton
312-8	Student Teaching in Vocational Agriculture						Consent of department	
1	1		To be arranged					Mr Wood
350-5	Farm Management						GSB 211a	
1			10:00-10:50	MTuW	F	Ag 225		Mr Armstrong
			11:00-12:50		W	Ag 225		Mr Armstrong
2			10:00-10:50	MTuW	F	Ag 225		Mr Armstrong
			1:00-2:50		Tu	Ag 225		Mr Armstrong
	1		11:00-11:50	MTu	ThF	Ag 225		Mr Armstrong
			1:00-2:50		F	Ag 225		Mr Armstrong
	2		11:00-11:50	MTu	ThF	Ag 225		Mr Armstrong
			10:00-11:50		S	Ag 225		Mr Armstrong
351-4	Farm Financial Management						350 or concurrent enrollment	
1			3:00-3:50	MTuW		Ag 225		Mr Herr
			3:00-4:50		Th	Ag 225		Mr Herr
354-4	Agricultural Marketing						GSB 211a	
1			11:00-11:50	MTu	ThF	Ag 225		Mr Wills
	1		1:00-1:50	MTuWTh		Ag 225		Mr Wills
373-5	Farm Power and Machinery						GSD 108b	
	1		11:00-11:50	MTu	Th	Ag 225		Mr Paterson
			1:00-2:50		W	F	T29	Mr Paterson
	2		11:00-11:50	MTu	Th	Ag 225		Mr Paterson
			10:00-11:50		W	F	T29	Mr Paterson
374-4	Farm Electrification						GSD 108b	
	1		4:00-4:50	M	W		Ag 155	Mr Shute
			3:00-4:50		Tu	Th	Ag 155	Mr Shute
375-3	Farm Shop						GSD 108b	
1			8:00-9:50	MTu		F	T29	Mr Paterson
2			3:00-4:50	MTu		F	T29	Mr Paterson
		1	3:00-4:50	M	W	F	T29	Mr Paterson
		2	8:00-9:50	M	W	S	T29	Mr Paterson
378-3	Farm Machinery						373	
	1		11:00-11:50	M	W		Ag 155	Mr Paterson
			10:00-11:50			F	T29	Mr Paterson
381-1 ²	Agricultural Seminar						Sr standing	
1			4:00-4:50		Tu		Ag 172	Mr Caster
	1		4:00-4:50		Tu		Ag 225	Mr Wills
		1	4:00-4:50		Tu		Ag 116	Mr Burnside
390-1 to 3	Special Studies in Agricultural Industries						Consent of department	
1	1	1	To be arranged					staff
411-3	Agricultural Extension						Sr standing	
	1		12:00-12:50	MTu	Th		Ag 225	Mr Benton
417-4	Land Reform and Agricultural Development						GSB 211a	
	1		8:00-8:50	TuWThF		Ag 225		Mr Haag
450-4	Advanced Farm Management						350	
	2:00-2:50		TuWTh			Ag 225		Mr Armstrong
	1:00-2:50		M			Ag 225		Mr Armstrong

Course	No. & Hours	Descriptive Title	Days	Bldg & Room	Prerequisite Instructor
	Fall Winter Spring	Time			
452-4	Agricultural Prices				GSB 211a
1		9:00-9:50	TuW F	Ag 225	Mr Haag
		8:00-9:50	Th	Ag 225	Mr Haag
456a-3	Agricultural Marketing Problems and Practices				GSB 211a
1		12:00-12:50	MTu Th	Ag 225	Mr Wills
	1	10:00-10:50	M W F	Ag 225	Mr Wills
456b-4 ³					GSB 211a
	1	2:00-2:50	MTuWTh	Ag 225	Mr Haag
456c-4 ¹					GSB 211a
1		12:00-12:50	MTu Th	Ag 172	Mr Sherwood and
		12:00-1:50	F	Ag 171	Mr Wills
471-4 ⁴	Land Resource Economics			350, For 370 or Econ 440	
1		3:00-4:50	M W	Ag 172	Mr Beazley
473-4	Materials Handling			215 or 377 & 350	
1		8:00-11:50	S	Ag 225	Mr Herr and Mr Paterson
520-1 to 6	Readings				Consent of department staff
1	1	1	To be arranged		
520b-1 to 6 ⁵	Readings in Resource Economics				Consent of department staff
1	1	1	To be arranged		Mr Beazley
550-4	Production Management			12 hrs Econ and Agr Econ	
	1	9:00-9:50	MTuWTh	Ag 225	Mr Herr
554-4	Advanced Agricultural Marketing			12 hrs Econ and Agr Econ	
1		9:00-9:50	MTuWTh	Ag 225	Mr Wills
575-1 to 6	Research				Consent of department staff
1	1	1	To be arranged		
581-1	Seminar				Consent of department staff
1		2:00-2:50	Th	Ag 155	Mr Haag
	1	1	10:00-10:50	Th	Ag 225
599-1 to 9	Thesis				Consent of department staff
1	1	1	To be arranged		

¹ Cross-listed with Plant Industries

² Cross-listed with Animal Industries, Forestry, and Plant Industries

³ Cross-listed with Animal Industries

⁴ Cross-listed with Economics and Forestry

⁵ Cross-listed with Economics 502 and Forestry

AIR SCIENCE (USAF)

100a-0	Air Science I Leadership Laboratory				
1	1	1	10:00-10:50	Tu	Field
					staff
110-1	Air Science I				
	1	8:00-8:50	M W	Wh 113	staff
	2	8:00-8:50	Tu Th	Wh 113	staff
	3	8:00-8:50	Tu Th	M 210	staff
	4	8:00-8:50	W F	M 210	staff
	5	9:00-9:50	M W	Wh 113	staff
	6	9:00-9:50	Th S	Wh 113	staff
	7	9:00-9:50	M W	M 210	staff
	8	9:00-9:50	Th S	M 210	staff
	9	10:00-10:50	M W	Wh 113	staff
	10	10:00-10:50	Th S	Wh 113	staff
	11	10:00-10:50	M W	M 210	staff
	12	10:00-10:50	Th S	M 210	staff
	13	11:00-11:50	M W	Wh 113	staff
	14	11:00-11:50	Tu Th	Wh 113	staff
	15	11:00-11:50	Tu Th	M 210	staff
	16	11:00-11:50	W F	M 210	staff
	17	12:00-12:50	M W	Wh 113	staff

74 AIR SCIENCE (USAF)

Course No. & Hours			Descriptive Title		Days		Bldg & Room		Prerequisite Instructor	
Fall	Winter	Spring	Time							
110-1 Air Science I										
			18 12:00-12:50		Tu Th		Wh 113		staff	
			19 12:00-12:50		Tu Th		M 210		staff	
			20 12:00-12:50		W F		M 210		staff	
			21 1:00-1:50		M W		Wh 113		staff	
			22 1:00-1:50		Tu Th		Wh 113		staff	
			23 1:00-1:50		Tu Th		M 210		staff	
			24 1:00-1:50		W F		M 210		staff	
			25 2:00-2:50		M W		Wh 113		staff	
			26 2:00-2:50		Tu Th		Wh 113		staff	
			27 2:00-2:50		Tu Th		M 210		staff	
			28 2:00-2:50		W F		M 210		staff	
			29 3:00-3:50		M W		Wh 113		staff	
			30 3:00-3:50		Tu Th		Wh 113		staff	
			31 3:00-3:50		Tu Th		M 210		staff	
			32 3:00-3:50		W F		M 210		staff	
			33 4:00-4:50		M W		Wh 113		staff	
			34 ¹ 4:00-5:30		Th		Aud		Mr Frazier	
			35 ¹ 1:00-1:50		M W F		Alg 110		Mr Propst	
			36 ² 10:00-10:50		M W		Field		Mr Hamilton	
			37 4:00-4:50		Tu Th		Wh 113		staff	
			38 4:00-4:50		Tu Th		M 210		staff	
			39 4:00-4:50		W F		M 210		staff	
			40 6:00-7:25 P.M.		M		Wh 113		staff	
			41 6:00-7:25 P.M.		Tu		Wh 113		staff	
			42 6:00-7:25 P.M.		W		Wh 113		staff	
			43 6:00-7:25 P.M.		Th		Wh 113		staff	
200a-0 Air Science II Leadership Laboratory										
	1	1	1 10:00-10:50		Tu		Field		Mr Florio	
210-1 Air Science II (Fall)										
220-1 Air Science II (Winter)										
	1	1	1 8:00-8:50		M W		Wh 113		staff	
	2	2	2 8:00-8:50		Tu Th		Wh 113		staff	
	3	3	3 8:00-8:50		Tu Th		M 210		staff	
	4	4	4 8:00-8:50		W F		M 210		staff	
	5	5	5 9:00-9:50		M W		Wh 113		staff	
	6	6	6 9:00-9:50		Tu Th		Wh 113		staff	
	7	7	7 9:00-9:50		Tu Th		M 210		staff	
	8	8	8 9:00-9:50		W F		M 210		staff	
	9	9	9 10:00-10:50		M W		M 210		staff	
	10	10	10 11:00-11:50		M W		Wh 113		staff	
	11	11	11 11:00-11:50		Tu Th		Wh 113		staff	
	12	12	12 11:00-11:50		Tu Th		M 210		staff	
	13	13	13 11:00-11:50		W F		M 210		staff	
	14	14	14 12:00-12:50		M W		Wh 113		staff	
	15	15	15 12:00-12:50		Tu Th		Wh 113		staff	
	16	16	16 12:00-12:50		Tu Th		M 210		staff	
	17	17	17 12:00-12:50		W F		M 210		staff	
	18	18	18 1:00-1:50		M W		Wh 113		staff	
	19	19	19 1:00-1:50		Tu Th		Wh 113		staff	
	20	20	20 1:00-1:50		Tu Th		M 210		staff	
	21	21	21 1:00-1:50		W F		M 210		staff	
	22	22	22 2:00-2:50		M W		Wh 113		staff	
	23	23	23 2:00-2:50		Tu Th		Wh 113		staff	
	24	24	24 2:00-2:50		Tu Th		M 210		staff	
	25	25	25 2:00-2:50		W F		M 210		staff	
	26	26	26 3:00-3:50		M W		Wh 113		staff	
	27	27	27 3:00-3:50		Tu Th		Wh 113		staff	

Course No.	No. & Hours	Descriptive Title	Days	Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring	Time		
28	28	4:00-4:50	M W	Wh 113	staff
29	29	4:00-4:50	Tu Th	Wh 113	staff
30	30	6:00-7:25 P.M.	M	Wh 113	staff
31	31	6:00-7:25 P.M.	Tu	Wh 113	staff
32	32	6:00-7:25 P.M.	W	Wh 113	staff
33	33	6:00-7:25 P.M.	Th	Wh 113	staff
	34 ¹	4:00-5:30	Th	Aud	Mr Frazier
35 ¹	35 ¹	1:00-1:50	M W F	Alg 110	Mr Propst
36 ²	36 ²	10:00-10:50	M W	Wh 113	Mr Hamilton
301-4	Air Science III				
	1	8:00-8:50	MTuWTh	Wh 107	staff
	2	9:00-9:50	MTuWTh	Wh 107	staff
	3	1:00-1:50	MTuWTh	Wh 107	staff
	4	3:00-3:50	MTuWTh	Wh 107	staff
302-4	Air Science III				
	1	8:00-8:50	MTuWTh	Wh 107	staff
	2	9:00-9:50	MTuWTh	Wh 107	staff
	3	1:00-1:50	MTuWTh	Wh 107	staff
	4	3:00-3:50	MTuWTh	Wh 107	staff
303-4	Air Science III				
	1	8:00-8:50	MTuWTh	Wh 107	staff
	2	9:00-9:50	MTuWTh	Wh 107	staff
	3	1:00-1:50	MTuWTh	Wh 107	staff
	4	3:00-3:50	MTuWTh	Wh 107	staff
351a-2	Air Science IV—Navigation				
	1	9:00-9:50	M W	Wh 107	staff
	2	11:00-11:50	M W	Wh 107	staff
	3	2:00-2:50	M W	Wh 107	staff
351b-2	Air Science IV—Weather				
	1	9:00-9:50	Tu Th	Wh 107	staff
	2	11:00-11:50	Tu Th	Wh 107	staff
	3	2:00-2:50	Tu Th	Wh 107	staff
352-4	Air Science IV—Military Aspects of World Political Geography				
	1	11:00-11:50	MTuWTh	Ag 224	staff
	2	2:00-2:50	MTuWTh	Ag 224	staff
353a-3	Air Science IV—International Relations				
	1	9:00-9:50	M WTh	Wh 107	staff
	2	11:00-11:50	M WTh	Wh 107	staff
	3	2:00-2:50	M WTh	Wh 107	staff
353b-1	Air Science IV—Air Force Officer				
	1	9:00-9:50	Tu	Wh 107	staff
	2	11:00-11:50	Tu	Wh 107	staff
	3	2:00-2:50	Tu	Wh 107	staff

¹ USAF 110 and 210 and 220, Sections 34, make up the Cadet Band; USAF 110, 210 and 220, Sections 35, make up the Singing Squadron. While these sections are under the direction of Department of Music personnel for musical practice and proficiency, regular AF ROTC credit is given. Cadets enrolling for the above functions will be auditioned, and final selection will be based on musical merit. Total enrollment in band after audition will be 80, Singing Squadron 60. Cadets not chosen for retention will be assigned to regular sections. USAF 110, Sections 34 and 35, require certain music courses in fall and winter quarters as prerequisites. Students concerned should consult advisers. Sophomore band members will receive credit for winter and spring quarters, no credit for fall quarter.

² USAF 110, 210 and 220, Sections 36, are the Drill Team sections.

76 ANIMAL INDUSTRIES (AN I)

Course No. & Hours — Descriptive Title Days Bldg & Room Prerequisite
Fall Winter Spring Time Days Bldg & Room Instructor

ANIMAL INDUSTRIES (AN I)

105-4	Animal Husbandry	.....	.....	.....	.....	.....	.....
1	1:00-1:50	MTu	F	Ag 216	Mr Miller		
	12:00-1:50		Th	Ag 114	Mr Miller		
2	1:00-1:50	MTu	F	Ag 216	Mr Miller		
	2:00-3:50		Th	Ag 114	Mr Miller		
1	1:00-1:50	M	ThF	Ag 214	Mr Miller		
	1:00-2:50	Tu		Ag 114	Mr Miller		
2	1:00-1:50	M	ThF	Ag 214	Mr Miller		
	3:00-4:50	Tu		Ag 114	Mr Miller		
1	3:00-3:50	TuW	F	Ag 214	Mr Miller		
	1:00-2:50		Th	Ag 114	Mr Miller		
2	3:00-3:50	TuW	F	Ag 214	Mr Miller		
	3:00-4:50		Th	Ag 114	Mr Miller		
T3	3:00-3:50	TuW	F	Ag 214	Mr Miller		
	8:00-9:50		Th	Ag 114	Mr Miller		
125-4	Elementary Poultry Production	.....	.....	.....	.....	.....	.....
1	11:00-11:50	M	WTh	Ag 216	Mr Goodman		
	10:00-11:50	Tu		Ag 132	Mr Goodman		
T2	11:00-11:50	M	WTh	Ag 216	Mr Goodman		
	8:00-9:50	Tu		Ag 132	Mr Goodman		
1	9:00-9:50	MTu	S	Ag 116	Mr Goodman		
	9:00-10:50		F	Ag 132	Mr Goodman		
231-4	Dairy Husbandry	.....	.....	.....	.....	.....	.....
1	11:00-11:50	MTu	Th	Ag 214	Mr Olson		
	10:00-11:50		W	Ag 120	Mr Olson		
2	11:00-11:50	MTu	Th	Ag 214	Mr Olson		
	1:00-2:50		W	Ag 120	Mr Olson		
T3	11:00-11:50	MTu	Th	Ag 214	Mr Olson		
	8:00-9:50		W	Ag 120	Mr Olson		
1	2:00-2:50	M	WTh	Ag 116	Mr Olson		
	2:00-3:50		F	Ag 120	Mr Olson		
311-3	Livestock Judging	.....	.....	.....	.....	.....	105
1	3:00-4:50	M	W	Ag 114	Mr Miller		
	3:00-3:50		Th	Ag 114	Mr Miller		
312-2	Dairy Cattle Judging	.....	.....	.....	.....	.....	231
1	9:00-11:50		F	Ag 114	Mr Olson		
313-2	Poultry Judging	.....	.....	.....	.....	.....	125
1	9:00-11:50		F	Ag Arena	Mr Goodman		
314-2	Advanced Livestock Judging	.....	.....	.....	.....	.....	311
1	To be arranged				Mr Miller		
315-4	Feeds and Feeding	.....	.....	.....	.....	.....	125 or 105 or 231
							GSA 101c or equivalent
1	9:00-9:50	M	WTh	Ag 216	Mr Reed		
	9:00-10:50		S	Ag 120	Mr Reed		
T2	9:00-9:50	M	WTh	Ag 216	Mr Reed		
	9:00-10:50	Tu		Ag 120	Mr Reed		
1	10:00-10:50	MTu	F	Ag 214	Mr Reed		
	9:00-10:50		W	Ag 114	Mr Reed		
2	10:00-10:50	MTu	F	Ag 214	Mr Reed		
	9:00-10:50		S	Ag 120	Mr Reed		
321-4	Processing and Grading Poultry Products	.....	.....	.....	.....	.....	125
1	9:00-9:50	M	WTh	Ag 132	Mr Hinners		
	9:00-10:50	Tu		Ag 132	Mr Hinners		
327-4	Hatchery and Breeding Farm Management	.....	.....	.....	.....	.....	125
1	1:00-1:50	TuW	F	Ag 132	Mr Goodman		
	1:00-2:50	M		Ag 132	Mr Goodman		

Course No.	Hours — Descriptive Title			Days	Bldg & Room	Prerequisite Instructor
	Fall	Winter	Spring			
332-4	Animal Breeding and Genetics			105, 231 or 125, GSA 201c or equivalent		
1			8:00-8:50	MTu ThF	Ag 116	Mr Goodman
337-4	Animal Hygiene			105 and GSA 201c or equivalent		
1			12:00-12:50	MTuWTh	Ag 116	Mr Burnside
381-1 ¹	Agricultural Seminar					
1			4:00-4:50	Tu	Ag 172	Mr Caster
	1		4:00-4:50	Tu	Ag 225	Mr Wills
		1	4:00-4:50	Tu	Ag 116	Mr Reed
390-1 to 3	Special Studies in Animal Industries					
1	1	1	To be arranged			staff
415-4	Animal Nutrition					315
1			8:00-8:50	M WTh	Ag 116	Mr Hinners
			8:00-9:50	F	Ag 120	Mr Hinners
420-4	Commercial Poultry Production					125
1			4:00-4:50	M ThF	Ag 132	Mr Hinners
			3:00-4:50	W	Ag 132	Mr Hinners
430-4	Dairy Production					231 and 315
1			3:00-3:50	MTu Th	Ag 116	Mr Olson
			3:00-4:50	W	Ag 120	Mr Olson
431-4	Reproduction and Artificial Insemination of Farm Animals			.... 105 or 231, GSA 201c		
1			11:00-11:50	MTuW	Ag 116	Mr Olson
			10:00-11:50	F	Ag 120	Mr Olson
T2			11:00-11:50	MTuW	Ag 116	Mr Olson
			11:00-12:50	Th	Ag 120	Mr Olson
432-3	Quantitative Inheritance of Farm Animals					332
1			1:00-1:50	MTu Th	Ag 132	Mr Goodman
433-3	Feeding Dairy Cattle					231 and 315
1			10:00-10:50	MTuW	Ag 116	Mr Reed
456b-3 ²	Agricultural Marketing Problems			GSB 211a, Ag 1 354 or consent of department		
1			2:00-2:50	MTuWTh	Ag 225	Mr Wills
465-5	Swine Production					105 and 315
1			8:00-8:50	M WThF	Ag 116	Mr Burnside
			8:00-9:50	Tu	Ag 114	Mr Miller
480-4	Sheep Production					105 and 315
1			12:00-12:50	MTu F	Ag 116	Mr Kammlade
			12:00-1:50	W	Ag 114	Mr Kammlade
485-4	Beef Production					105 and 315
1			2:00-2:50	M WTh	Ag 116	Mr Kammlade
			2:00-3:50	Tu	Ag 114	Mr Kammlade
487-4	Commercial Livestock Feeding					105 and 315
1			11:00-11:50	TuWTh	Ag 116	Mr Kammlade
			10:00-11:50	M	Ag 114	Mr Kammlade
505A-5	Research Methods in Agricultural Science					
1			9:00-9:50	M ThF	Ag 120	Mr Burnside
			8:00-9:50	Tu	Ag 120	Mr Burnside
			9:00-10:50	W	Ag 120	Mr Burnside
520-1 to 6	Readings in Animal Industries					
1	1	1	To be arranged			staff
525-4	Advanced Poultry Production					
1			7:35-9:15 P.M.	M W	Ag 132	Mr Hinners
575-1 to 6	Individual Research					
1	1	1	To be arranged			staff
581-1	Seminar					
1	1	1	To be arranged			staff
599-1 to 9	Thesis					
1	1	1	To be arranged			staff

¹ Cross-listed with Agricultural Industries, Forestry, and Plant Industries² Cross-listed with Agricultural Industries

78 ANTHROPOLOGY (ANTH)

Course No. & Hours — Descriptive Title Days Bldg & Room Prerequisite Instructor
Fall Winter Spring Time

ANTHROPOLOGY (ANTH)

300-3	Physical Anthropology	1	11:00-11:50	MTu F	HEc 306	Mr Heglar
303-3	Old World Prehistory	1	11:00-11:50	TuWTh	HEc 303	Mrs Townsend
304-3	The Origins of Civilization	1	11:00-11:50	MTuW	HEc 303	Mr Riley
306a-3	Peoples and Cultures of the World II	1	1:00-1:50	WThF	HEc 306	Mrs Townsend
306b-3		1	1:00-1:50	MTuW	HEc 306	Mr Riley
306c-3		1	12:00-12:50	MTuW	HEc 306	Mr Handler
400-4	Man and Culture	1	9:00-10:50	W F	HEc 303	Mr Taylor
401-4	Language and Culture	1	9:00-10:50	Tu Th	HEc 306	Mr Grace
404-4	Primitive Art and Technology	1	9:00-10:50	W F	HEc 306	Mr Dark
405-4	Social Anthropology	1	9:00-10:50	Tu Th	HEc 303	Mr Handler
408-4	History of Anthropological Thought	1	9:00-10:50	W F	HEc 118	Mr Handler
409-4	Anthropology and Modern Life	1	9:00-10:50	Tu Th	HEc 303	Mr Lange
483-3 to 18	Individual Study in Anthropology	1 1 1	To be arranged			Consent of instructor staff
501a-3	Pro-seminar in Physical Anthropology	1	2:00-4:50	M	HEc 306	Mr Heglar
501b-3		1	2:00-4:50	M	HEc 306	Mr Heglar
501c-3		1	2:00-4:50	M	HEc 306	Mr Heglar
503a-3	Pro-seminar in Archaeology	1	2:00-4:50	Tu	HEc 306	Mr Fowler
503b-3		1	2:00-4:50	Tu	HEc 306	Mr Taylor
503c-3		1	2:00-4:50	Tu	HEc 306	Mr Kelley
505a-3	Pro-seminar in Linguistics	1	2:00-4:50	W	HEc 306	Mr Grace
505b-3		1	2:00-4:50	W	HEc 306	Mr Grace
505c-3		1	2:00-4:50	W	HEc 306	Mr Grace
507a-3	Pro-seminar in Social Anthropology	1	2:00-4:50	Th	HEc 306	Mr Anderson
507b-3		1	2:00-4:50	Th	HEc 306	Mr Anderson
507c-3		1	2:00-4:50	Th	HEc 306	Mr Anderson
509a-3	Pro-seminar in Ethnology	1	2:00-4:50	F	HEc 306	Mr Riley
509b-3		1	2:00-4:50	F	HEc 306	Mr Riley
509c-3		1	2:00-4:50	F	HEc 306	Mr Riley

Course No. & Hours	Descriptive Title			Days	Bldg & Room	Prerequisite Instructor
	Fall	Winter	Spring			
510-3 Seminar in New World Archaeology						
1			7:30-10:00 P.M.	Th	HEc 306	Mr Fowler
		1	9:00-11:50	Th	HEc 306	Mr Armillas
511-3 Seminar in Meso-American Archaeology						
		1	9:00-11:50	W	HEc 306	Mr Kelley
522-3 Seminar in the Anthropology of Oceania						
1	1		7:30-10:00 P.M.	M	HEc 306	Mr Anderson
535-3 Seminar in Physical Anthropology						
1	1	1	7:30-10:00 P.M.	F	HEc 306	Mr Heglar
545-3 Seminar in Linguistics						
		1	9:00-11:50	Tu	HEc 306	Mr Grace
550-3 Seminar in the Cultures of Latin America						
		1	9:00-11:50	F	HEc 306	Mr Armillas
560-3 Seminar in Comparative Social Organization						
1			7:30-10:00 P.M.	M	HEc 306	Mr Anderson
562-3 Seminar in the Anthropology of Contemporary Peoples						
1			7:30-10:00 P.M.	Tu	HEc 306	Mr Handler
567-3 Seminar in Anthropological Theory and Method						
	1	1	7:30-10:00 P.M.	Th	HEc 306	Mr Taylor
570-3 Seminar in Art and Technology						
	1	1	7:30-10:00 P.M.	Tu	HEc 306	Mr Dark
581-3 Seminar in Anthropology						
T1	T1	T1	7:30-10:00 P.M.	W	HEc 306	staff
582-3 to 18 Problems in Archaeology						Consent of instructor
1	1	1	To be arranged			staff
584-3 to 18 Problems in Cultural Anthropology						Consent of instructor
1	1	1	To be arranged			staff
585-3 to 18 Readings in Anthropology						Consent of instructor
1	1	1	To be arranged			staff
597-3 to 18 Fieldwork in Anthropology						Consent of instructor
1	1	1	To be arranged			staff
599-3 to 9 Thesis						Consent of instructor
1	1	1	To be arranged			staff
600-1 to 16 Dissertation						Consent of instructor
1	1	1	To be arranged			staff

APPLIED SCIENCE (AP S)

415a-3 Water Supply and Waste Water Disposal						Consent of instructor
1			To be arranged			Mr Howe
415b-3						415a
	1		To be arranged			Mr Howe
415c-3						415b
	1		To be arranged			Mr Howe
420-3 Digital Computers in Research						Engr. 222
1			To be arranged			Mr Ashworth
421-3 Programming Languages						420
	1		To be arranged			Mr Ashworth
422-3 Programming Systems						420
	1		To be arranged			Mr Ashworth
501a-3 Materials Science						Engr. 311
1			To be arranged			Mrs Canut
501b-3						501a
	1		To be arranged			Mrs Canut
501c-3						501b
	1		To be arranged			Mrs Canut
502a-3 Materials Structure Analysis						501
1			To be arranged			Mr Amoros
502b-3						502a
	1		To be arranged			Mr Amoros

Course No. & Hours — Descriptive Title Days Bldg & Room Prerequisite
 Fall Winter Spring Time Instructor

516-4 Water Resources Development 415
 1 To be arranged staff

ART (ART)

100-6	Basic	Studio							
1A	1B	1C	8:00-9:50	MTuW	F	A 112	Mr Harris		
			8:00-9:50		Th	A 202	Mr Harris		
2A	2B	2C	11:00-12:50	MTuW	F	A 112	Mr Harris		
			11:00-12:50		Th	A 202	Mr Harris		
3A	3B	3C	1:00-2:50	MTuW	F	A 112	staff		
			1:00-2:50		Th	A 202	staff		
4A	4B	4C	3:00-4:50	MTuW	F	A 112	staff		
			3:00-4:50		Th	A 202	staff		
5A	5A	5B	6:00-7:50 P.M.	MTuW	F	A 112	staff		
			1:00-2:50		Th	A 202	staff		
200-6	Studio	Disciplines							100
1	1	1	8:00-9:50	MTuW	F	A 6	Mr Sullivan		
2	2	2	1:00-2:50	MTuW	F	A 202	Mr Bernstein		
3	3	3	3:00-4:50	MTuW	F	A 202	Mr Bernstein		
225a-3	History of World Art								
1			11:00-11:50	M	W	F	A 102	Mr Werner	
2			2:00-2:50	M	W	F	A 102	Mr Werner	
225b-3									
	1		11:00-11:50	M	W	F	A 102	Mr Werner	
	2		2:00-2:50	M	W	F	A 102	Mr Werner	
225c-3									
	1		11:00-11:50	M	W	F	A 102	Mr Werner	
	2		2:00-2:50	M	W	F	A 102	Mr Werner	
300-4	Art Education for Elementary Teachers								
1	1	1	9:00-9:50	Tu	Th	Wham 308	staff		
			3:00-4:50	M	W	USchI 105A	Mr White		
2	2	2	9:00-9:50	Tu	Th	Wham 308	staff		
			3:00-4:50	Tu	F	USchI 105A	Miss Schwartz		
3	3	3	9:00-9:50	Tu	Th	Wham 308	staff		
			6:00-7:50 P.M.	Tu	Th	USchI 105A	staff		
T4	T4	T4	9:00-9:50	Tu	Th	Wham 308	staff		
			6:00-7:50 P.M.	M	W	USchI 105A	staff		
T5	T5	T5	9:00-9:50	Tu	Th	Wham 308	staff		
			6:00-7:50 P.M.	M	W	USchI 105A	staff		
302-4	Pottery								
1	1	1	1:00-3:50	Tu	Th	A 5	Mr Vergette		
2	2	2	6:00-9:00 P.M.	Tu	Th	A 5	Mr Vergette		
306-3	Materials and Techniques in Art Education								
1			3:00-4:50	M	Th	USchI 109	Miss Schwartz		
307-3	Theory and Philosophy of Art Education								
1			2:00-2:50	M	W	F	USchI 109	Mr Stewart	
308-3	Curriculum and Administration in Art Education								
1			2:00-2:50	M	W	F	USchI 109	Miss Schwartz	
325-2 to 15	Studio								
1	1	1	10:00-11:50	M	W	F	A 200	Mr Breland	
332-4	Jewelry and Silversmithing								
1	1	1	8:00-9:50	M	W	F	A 11	Mr Kington	
2	2	2	11:00-12:50	M	W	F	A 11	Mr Kington	
341-2 to 4	Drawing								100 or 200, consent of instructor
1	1	1	7:00-9:00 P.M.	M	W	A 202	Mr Fink		
			10:00-11:50	M		A 202	Mr Fink		
347a-3	Ancient Art (Egypt)								
1			9:00-9:50	M	W	F	A 102	Mr Watkins	

Course No. & Hours — Descriptive Title			Time	Days	Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring				
347b-3	Ancient Art (Near East)					
1			9:00-9:50	M W F	A 102	Mr Watkins
347c-3	Ancient Art (Greece and Rome)					
1			9:00-9:50	M W F	A 102	Mr Watkins
358-4	Prints				100 or 200, consent of instructor	
1	1	1	6:00-9:00 P.M.	M W	A 16	Mr Fink
			11:00-11:50	M	A 202	Mr Fink
365-4	Art Education in the Secondary Schools					
1			3:00-5:50	Tu Th	USchI 109	Mr White
385-4	Weaving					
T1	T1	T1	1:00-3:50	Tu Th	A 206	staff
T2	T2	T2	6:00-9:00 P.M.	M W	A 206	staff
393-4	Sculpture				100 or 200, consent of instructor	
1	1	1	10:00-12:50	M W F	A 6	Mr Sullivan
401-2 to 12	Research in Painting					325, 200
1		1	8:00-11:50	M W F	Arranged	Mr Breland
405-2 to 12	Studio in Sculpture				100, 200, or consent of instructor	
1		1	6:00-9:00 P.M.	M W F	Arranged	Mr Sullivan
406-2 to 12	Studio in Painting					325, 200
1			8:00-11:50	M W F	Arranged	Mr Breland
408-4	Art Education for Elementary Teachers					300
1	1	1	3:00-5:50	M	F USchI 109	Mrs Hall
410-2 to 12	Research in Prints					358
1		1	6:00-9:00 P.M.	M W	A 16	Mr Fink
			10:00-11:50		F A 211	Mr Fink
416-2 to 12	Studio in Prints					358
1			6:00-9:00 P.M.	M W	A 16	Mr Fink
			10:00-11:50		F A 211	Mr Fink
420-2 to 12	Research in Pottery					302
1		1	9:00-11:50	Tu Th	A 5	Mr Vergette
426-2 to 12	Studio in Pottery					302
1			9:00-11:50	Tu Th	A 5	Mr Vergette
430-2 to 12	Research in Metal Construction					332
1		1	1:00-3:50	M W F	A 11	Mr Kington
436-2 to 12	Studio in Metal Construction					332
1			1:00-3:50	M W F	A 11	Mr Kington
440-2 to 12	Research in Weaving				385 or consent of instructor	
T1		T1	1:00-3:50	Tu Th	A 206	staff
445a-3	Modern Art: Art of 19th Century					
1			11:00-11:50	M W F	A 102	Mr Watkins
445b-3	Modern Art: Art of Early 20th Century					
1			4:00-4:50	M W F	A 102	Mr Watkins
445c-3	Modern Art: Art of Mid 20th Century					
1			11:00-11:50	M W F	A 102	Mr Watkins
446-2 to 12	Studio in Weaving				385 or consent of instructor	
T1			6:00-9:00 P.M.	M W	A 206	staff
460-2 to 12	Research in Art Education					
1		1	11:00-11:50	M W F	A 209	Mr Stewart
466-2 to 12	Studio in Art Education					
1			3:00-5:50	M W F	USchI 109	Miss Schwartz
482-3	Seminar: Early Medieval Art					
1			4:00-4:50	M W F	A 102	Mr Werner
482-3	Seminar: Ancient Art					
1			10:00-12:50	Th	A 102	Mr Watkins
482-3	Seminar: Art of Early 20th Century					
1			4:00-4:50	M W F	A 102	Mr Werner
483-3	Research in Art History					
1	1	1	3:00-3:50	M W F	A 102	Mr Watkins Mr Werner

82 ART (ART)

Course No. & Hours	Descriptive Title	Days	Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring	Time	
501-2 to 12	Seminar in Painting		401, 406, consent of instructor	
1	1	10:00-11:50	Tu	Arranged Mr Breland
502-2 to 12	Seminar in Sculpture		443, 405, consent of instructor	
1	1	1:00-3:50	M W F	A 6 Mr Sullivan
504-2 to 12	Research in Sculpture		443, 405, consent of instructor	
1	1	1:00-3:50	M W F	A 6 Mr Sullivan
		10:00-1:00	F	A 6
506-2 to 12	Research in Painting		401, 406, consent of instructor	
1	1	8:00-11:50	M W F	Mr Breland
511-2 to 12	Seminar in Print Making		410, 416, consent of instructor	
1	1	6:00-9:00 P.M.	W Th	A 16 Mr Fink
		10:00-11:50	F	
516-2 to 12	Research in Prints		410, 416, consent of instructor	
1	1	10:00-11:50	F	A 16 Mr Fink
520-2 to 12	Seminar in Pottery		420 or 426	
1	1	1:00-3:50	M W	A 5 Mr Vergette
526-2 to 12	Research in Pottery		420 or 426	
1	1	1:00-3:50	M W	A 5 Mr Vergette
530-2 to 12	Seminar in Metal Construction		430 or 436	
1	1	1:00-3:50	M W F	A 11 Mr Kington
536-2 to 12	Research in Metal Construction		430 or 436	
1	1	1:00-3:50	M W F	A 11 Mr Kington
540-2 to 12	Seminar in Weaving		440 or 446	
T1	T1	1:00-3:50	Tu Th	A 207 staff
		6:00-9:00 P.M.	M W	A 207 staff
546-2 to 12	Research in Weaving		440 or 446	
T1	T1	1:00-3:50	Tu Th	A 207 staff
		6:00-9:00 P.M.	M W	A 207 staff
560-2 to 12	Seminar in Art Education			
1	1	1:00-1:50	M W F	A 209 Mr Stewart
	1	11:00-11:50	M W F	A 209 Miss Schwartz
566-2 to 12	Research in Art Education			
1	1	11:00-11:50	M W F	A 209 Mr Stewart
571-3 to 12	Readings in Art History			
1	1	1:00-1:50	M W F	A 102 Mr Werner
573-3 to 12	Problems in Art History			
1	1	1:00-1:50	M W F	A 102 Mr Werner
599-5 to 9	Thesis			
1	1	1	To be arranged	staff

ASIAN STUDIES

Students interested in a minor in Asian studies should consult Mr. H. B. Jacobini, Chairman, Committee on Asian Studies. His office is at 800 S. University. Specific courses in anthropology, art, GSD (Chinese language), economics, geography, government, history, and philosophy which can be counted toward such a minor are listed in a special pamphlet issued by the Committee on Asian Studies.

ASTRONOMY (ASTR)

201-4	Introduction to Astronomy				
1	1	11:00-11:50	MTu ThF	P 301	Miss Zimmerschied
	1	3:00-3:50	MTuW F	P 301	Miss Zimmerschied

BOTANY (BOT)

300-3	Morphology of the Non-Vascular Plants				101 or GSA 201c
1	1	8:00-8:50	M W	LS 323	Miss Kaeiser
		8:00-9:50		F	LS 307 Miss Kaeiser
	1	2:00-2:50	M W	LS 323	Miss Kaeiser
		2:00-3:50		F	LS 307 Miss Kaeiser

Course No. & Hours — Descriptive Title			Days		Bldg & Room		Prerequisite Instructor
Fall	Winter	Spring	Time				
301-3	Morphology of the Vascular Plants						101 or GSA 201c
1			2:00–2:50	Tu Th	LS 323		Mr Eggert
			2:00–3:50	M	LS 307		Mr Eggert
	1		8:00–8:50	M W	LS 323		Mr Eggert
			8:00–9:50		LS 307	F	Mr Eggert
	T1		3:00–3:50	M W	LS 323		Mr Eggert
			2:00–3:50		LS 307	F	Mr Eggert
313-3	Natural History of Local Plants						101 or GSA 201c
1			1:00–1:50	M	LS 307		Mr Mohlenbrock
			1:00–2:50	Tu Th	LS 307		Mr Mohlenbrock
	1		2:00–2:50	Tu	LS 323		Mr Mohlenbrock
			1:00–2:50	M Th	LS 307		Mr Mohlenbrock
	2		2:00–2:50	Tu	LS 323		Mr Mohlenbrock
			8:00–9:50	M Th	LS 307		staff
315-4	Plant Genetics						202 or GSA 201c
1			3:00–3:50	M W F	LS 323		Mr Olah
			3:00–4:50	Tu	LS 315		Mr Olah
2			3:00–3:50	M W F	LS 323		Mr Olah
			3:00–4:50		LS 315	Th	Mr Olah
T3			3:00–3:50	M W F	LS 323		Mr Olah
			4:00–5:50	M	LS 315		Mr Olah
T4			3:00–3:50	M W F	LS 323		Mr Olah
			10:00–11:50		LS 315	S	Mr Olah
320-5	Elements of Plant Physiology						101 or GSA 201c
1	1	1	9:00–9:50	M W F	LS 323		Mr Schmid
			8:00–9:50	Tu Th	LS 311		Mr Schmid
2	2	2	9:00–9:50	M W F	LS 323		Mr Schmid
			10:00–11:50	W F	LS 311		Mr Schmid
321-3 to 5	Elementary Botanical Microtechnique						Consent of department
1			2:00–3:50	Tu Th	LS 313		Mr Olah
Laboratory to be arranged							
341-3	Autecology						Consent of department
1			8:00–8:50	Tu Th	LS 323		Mr Voigt
Saturday field trips to be arranged							
400-5	Plant Anatomy						300, 301, or 202
1			3:00–4:50	W F	LS 315		Mr Eggert
			4:00–4:50	MTu Th	LS 323		Mr Eggert
	1		10:00–10:50	M W F	LS 323		Mr Eggert
			10:00–11:50	Tu Th	LS 315		Mr Eggert
404-4	The Algae						Consent of department
1			9:00–9:50	M W	LS 315		Miss Kaeiser
			8:00–9:50	Tu Th	LS 315		Miss Kaeiser
405-5	Mycology						Consent of department
T1			10:00–10:50	MTu Th	LS 307		staff
			10:00–11:50	W F	LS 307		staff
412-4	The Spermatophytes						202, 300, or 301
1			9:00–9:50	M W	LS 315		Miss Kaeiser
			8:00–9:50	Tu Th	LS 315		Miss Kaeiser
414-5	Paleobotany						310
1			1:00–1:50	M WTh	LS 323		Mr Eggert
			1:00–2:50	Tu F	LS 315		Mr Eggert
425a-5	Advanced Plant Physiology						320, Chem. 350 or consent of department
1			11:00–11:50	MTu Th	LS 323		Mr Schmid
			1:00–2:50	M W	LS 311		Mr Schmid
425b-5	Advanced Plant Physiology						320, Chem. 350 or consent of department
1			2:00–2:50	Tu ThF	LS 323		staff
			1:00–2:50	M W	LS 311		staff

84 BOTANY (BOT)

Course No. & Hours		Descriptive Title		Days		Bldg & Room		Prerequisite Instructor	
Fall	Winter	Spring	Time						
425c-5	Advanced Plant Physiology					425 or consent of department			
	1		11:00-11:50	MTu	Th	LS 323	Mr Schmid		
			1:00-2:50	M	W	LS 311	Mr Schmid		
428-3	Plant Nutrition					320, Chem. 350 or consent of department			
	1		2:00-2:50	M	W F	LS 323	staff		
			1:00-2:50	Tu	Th	LS 311	staff		
445-5	Ecology of Forests and Arable Lands					GSA 340			
	1		2:00-2:50	Tu	Th	LS 313	Mr Ashby		
			10:00-11:50		S	Arranged	Mr Ashby		
			(Saturday field trips to be arranged)						
449-3	Elements of Taxonomy					GSA 201c			
	1		1:00-1:50	MTu	Th	LS 307	Mr Mohlenbrock		
456-5	Plant Pathology					Consent of department			
	1		10:00-11:50	Tu	Th	LS 315	Mr Pappelis		
			10:00-10:50	M	W F	LS 323	Mr Pappelis		
457-4	Forest Pathology					355 or consent of department			
	1		1:00-1:50		W F	LS 323	Mr Pappelis		
			1:00-2:50	Tu	Th	LS 315	Mr Pappelis		
470-4	Methods of Teaching High School Biology					Major in Bot. or Zool.			
	1		1:00-1:50	Tu	Th	LS 315	Mr Welch		
			1:00-2:50	M	W	LS 315	Mr Welch		
503a-5	Advanced Angiosperm Taxonomy					449 or consent of department			
	1		3:00-4:50	MTu	Th	LS 313	Mr Mohlenbrock		
503b-5	Advanced Angiosperm Taxonomy					449 or consent of department			
	1		3:00-4:50	MTu	Th	LS 307	Mr Mohlenbrock		
503c-5	Advanced Angiosperm Taxonomy					449 or consent of department			
	1		1:00-2:50	MTu	Th	LS 313	Mr Mohlenbrock		
522-5	Advanced Microtechnique					Consent of department			
	1		2:00-3:50	M	W	LS 313	Mr Olah		
			Laboratory to be arranged						
525-5	Cytology					Bot. 315 or Zool 401			
	1		3:00-3:50	M	W F	LS 315	Mr Olah		
			3:00-4:50	Tu	Th	LS 315	Mr Olah		
542-4	Genecology and Community Concepts					Genetics, GSA 340			
	1		6:00-7:50 P.M.	Tu	Th	LS 307	Mr Ashby		
543-5	Experimental Ecology					Bot. 320 or consent of department			
	1		8:00-8:50	M	W	LS 313	Mr Ashby		
			8:00-9:50	Tu	ThF	LS 313	Mr Ashby		
570-3 to 9	Readings					Consent of instructor			
	1	1	1	To be arranged				staff	
580-1	Seminar					Consent of advisory committee			
	1	1	1	4:00-4:50	W	LS 307	staff		
590-1 to 3	Introduction to Research					Consent of instructor			
	1	1	1	To be arranged				staff	
	2 ¹			2:00-2:50	M	LS 313	Mr Mohlenbrock		
				Additional hours to be arranged					
	2 ¹			2:00-2:50	MTu Th	LS 307	Mr Mohlenbrock		
				Additional hours to be arranged					
	2 ¹			3:00-3:50	M	LS 313	Mr Mohlenbrock		
				Additional hours to be arranged					
591-3 to 9	Problem and Introduction to Research					Consent of department			
	1	1	1	To be arranged				staff	
599-3 to 9	Thesis					Consent of advisory committee			
	1	1	1	To be arranged				staff	
600-3 to 16	Dissertation					Consent of advisory committee			
	1	1	1	To be arranged				staff	

¹ Taxonomy students only

Course No. & Hours — Descriptive Title Days Bldg & Room Prerequisite
 Fall Winter Spring Time Days Bldg & Room Instructor

CENTRAL EUROPEAN STUDIES

Students interested in a minor in central European studies should consult Mr. Joseph Velikonja, Department of Geography, academic adviser for the program.

CHEMISTRY (CHEM)

101b-1 Optional Laboratory for GSA 101b (See General Studies Area A for schedule)

101c-1 Optional Laboratory for GSA 101c (See General Studies Area A for schedule)

111a-5 General—Inorganic Chemistry

1	9:00-9:50	M W F	Browne	Mr Van Lente
	8:00-8:50	W	P 204	Mr Van Lente
	8:00-9:50	Tu Th	P 200	staff
2	9:00-9:50	M W F	Browne	Mr Van Lente
	8:00-8:50	W	P 204	Mr Van Lente
	8:00-9:50	Tu Th	P 206	staff
3	9:00-9:50	M W F	Browne	Mr Van Lente
	8:00-8:50	W	P 204	Mr Van Lente
	8:00-9:50	Tu Th	P 213	staff
4	9:00-9:50	M W F	Browne	Mr Van Lente
	8:00-8:50	F	P 204	Mr Van Lente
	1:00-2:50	M W	P 200	staff
5	9:00-9:50	M W F	Browne	Mr Van Lente
	8:00-8:50	F	P 204	Mr Van Lente
	1:00-2:50	M W	P 206	staff
6	9:00-9:50	M W F	Browne	Mr Van Lente
	8:00-8:50	F	P 204	Mr Van Lente
	10:00-11:50	W F	P 213	staff
7	11:00-11:50	M W S	Browne	staff
	10:00-10:50	M	P 204	staff
	10:00-11:50	Tu Th	P 200	staff
8	11:00-11:50	M W S	Browne	staff
	10:00-10:50	M	P 204	staff
	10:00-11:50	Tu Th	P 206	staff
9	11:00-11:50	M W S	Browne	staff
	10:00-10:50	M	P 204	staff
	10:00-11:50	Tu Th	P 213	staff
10	11:00-11:50	M W S	Browne	staff
	10:00-10:50	W	P 204	staff
	8:00-9:50	M W	P 200	staff
11	11:00-11:50	M W S	Browne	staff
	10:00-10:50	W	P 204	staff
	8:00-9:50	M W	P 206	staff
12	11:00-11:50	M W S	Browne	staff
	10:00-10:50	W	P 204	staff
	8:00-9:50	W F	P 213	staff
13	2:00-2:50	M W F	Browne	Mr Neckers
	1:00-1:50	M	P 204	staff
	1:00-2:50	Tu Th	P 200	staff
14	2:00-2:50	M W F	Browne	Mr Neckers
	1:00-1:50	M	P 204	staff
	1:00-2:50	Tu Th	P 206	staff
15	2:00-2:50	M W F	Browne	Mr Neckers
	1:00-1:50	M	P 204	staff
	1:00-2:50	Tu Th	P 213	staff
16	2:00-2:50	M W F	Browne	Mr Neckers
	1:00-1:50	W	P 204	staff
	3:00-4:50	W F	P 200	staff

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Course No. & Hours — Descriptive Title Days Bldg & Room Prerequisite
 Fall Winter Spring Time Days Bldg & Room Instructor

111a-5 General—Inorganic Chemistry

17	2:00–2:50	M	W	F	Browne	Mr Neckers
	1:00–1:50		W		P 204	staff
	3:00–4:50		W	F	P 206	staff
18	2:00–2:50	M	W	F	Browne	Mr Neckers
	1:00–1:50		W		P 204	staff
	3:00–4:50		W	F	P 213	staff
19	6:00–7:25 P.M.	M	W		P 204	Mr Musulin
	7:35–8:25 P.M.	M			P 204	Mr Musulin
	6:00–7:50 P.M.		Tu	Th	P 200	staff
20	6:00–7:25 P.M.	M	W		P 204	Mr Musulin
	7:35–8:25 P.M.	M			P 204	Mr Musulin
	6:00–7:50 P.M.		Tu	Th	P 206	staff
21	6:00–7:25 P.M.	M	W		P 204	Mr Musulin
	7:35–8:25 P.M.		W		P 204	Mr Musulin
	6:00–7:50 P.M.		Tu	Th	P 213	staff
22	6:00–7:25 P.M.	M	W		P 204	Mr Musulin
	7:35–8:25 P.M.		W		P 204	Mr Musulin
	3:00–4:50		Tu	Th	P 200	staff
1	11:00–11:50	M	W	F	Browne	staff
	10:00–10:50	M			P 204	staff
	10:00–11:50		Tu	Th	P 200	staff
2	11:00–11:50	M	W	F	Browne	staff
	10:00–10:50	M			P 204	staff
	10:00–11:50		Tu	Th	P 206	staff
3	11:00–11:50	M	W	F	Browne	staff
	10:00–10:50	M			P 204	staff
	10:00–11:50		Tu	Th	P 213	staff
4	11:00–11:50	M	W	F	Browne	staff
	10:00–10:50		W		P 204	staff
	3:00–4:50		W	F	P 200	staff
5	11:00–11:50	M	W	F	Browne	staff
	10:00–10:50		W		P 204	staff
	3:00–4:50		W	F	P 213	staff
6	3:00–3:50	M	W	F	Browne	staff
	4:00–4:50	M			P 204	staff
	3:00–4:50		Tu	Th	P 200	staff
7	3:00–3:50	M	W	F	Browne	staff
	4:00–4:50	M			P 204	staff
	3:00–4:50		Tu	Th	P 206	staff
8	3:00–3:50	M	W	F	Browne	staff
	4:00–4:50	M			P 204	staff
	3:00–4:50		Tu	Th	P 213	staff
9	3:00–3:50	M	W	F	Browne	staff
	4:00–4:50		W		P 204	staff
	6:00–7:50 P.M.	M	W		P 200	staff
10	3:00–3:50	M	W	F	Browne	staff
	4:00–4:50		W		P 204	staff
	6:00–7:50 P.M.	M	W		P 206	staff

111b-5 111a

1	9:00–9:50	M	W	F	Browne	Mr Van Lente
	8:00–8:50		W		P 204	Mr Van Lente
	8:00–9:50		Tu	Th	P 200	staff
2	9:00–9:50	M	W	F	Browne	Mr Van Lente
	8:00–8:50		W		P 204	Mr Van Lente
	8:00–9:50		Tu	Th	P 206	staff
3	9:00–9:50	M	W	F	Browne	Mr Van Lente
	8:00–8:50		W		P 204	Mr Van Lente
	8:00–9:50		Tu	Th	P 213	staff

Course No. & Hours —	Descriptive Title	Days	Bldg. & Room	Prerequisite Instructor
Fall Winter Spring	Time			
4	9:00-9:50	M W F	Browne	Mr Van Lente
	8:00-8:50	F	P 204	Mr Van Lente
	1:00-2:50	M W	P 200	staff
5	9:00-9:50	M W F	Browne	Mr Van Lente
	8:00-8:50	F	P 204	Mr Van Lente
	1:00-2:50	M W	P 206	staff
6	9:00-9:50	M W F	Browne	Mr Van Lente
	8:00-8:50	F	P 204	Mr Van Lente
	1:00-2:50	M W	P 213	staff
7	2:00-2:50	M W F	Browne	Mr Neckers
	1:00-1:50	M	P 204	staff
	1:00-2:50	Tu Th	P 200	staff
8	2:00-2:50	M W F	Browne	Mr Neckers
	1:00-1:50	M	P 204	staff
	1:00-2:50	Tu Th	P 206	staff
9	2:00-2:50	M W F	Browne	Mr Neckers
	1:00-1:50	M	P 204	staff
	1:00-2:50	Tu Th	P 213	staff
10	2:00-2:50	M W F	Browne	Mr Neckers
	1:00-1:50	W	P 204	staff
	8:00-9:50	M W	P 200	staff
11	2:00-2:50	M W F	Browne	Mr Neckers
	1:00-1:50	W	P 204	staff
	8:00-9:50	M W	P 206	staff
12	2:00-2:50	M W F	Browne	Mr Neckers
	1:00-1:50	W	P 204	staff
	8:00-9:50	M W	P 213	staff
13	6:00-7:25 P.M.	M W	P 204	Mr Musulin
	7:35-8:25 P.M.	M	P 204	Mr Musulin
	6:00-7:50 P.M.	Tu Th	P 200	staff
14	6:00-7:25 P.M.	M W	P 204	Mr Musulin
	7:35-8:25 P.M.	M	P 204	Mr Musulin
	6:00-7:50 P.M.	Tu Th	P 206	staff
15	6:00-7:25 P.M.	M W	P 204	Mr Musulin
	7:35-8:25 P.M.	M	P 204	Mr Musulin
	6:00-7:50 P.M.	Tu Th	P 213	staff
1	11:00-11:50	M W F	Browne	staff
	10:00-10:50	M	P 204	staff
	10:00-11:50	Tu Th	P 200	staff
2	11:00-11:50	M W F	Browne	staff
	10:00-10:50	M	P 204	staff
	10:00-11:50	Tu Th	P 206	staff
3	11:00-11:50	M W F	Browne	staff
	10:00-10:50	M	P 204	staff
	10:00-11:50	Tu Th	P 213	staff
4	11:00-11:50	M W F	Browne	staff
	10:00-10:50	W	P 204	staff
	12:00-1:50	Tu Th	P 200	staff
5	11:00-11:50	M W F	Browne	staff
	10:00-10:50	W	P 204	staff
	12:00-1:50	Tu Th	P 206	staff
6	11:00-11:50	M W F	Browne	staff
	10:00-10:50	W	P 204	staff
	12:00-1:50	Tu Th	P 213	staff
111c-5				
1	9:00-9:50	Tu Th	Browne	Mr Van Lente
	8:00-8:50	Tu	P 204	Mr Van Lente
	8:00-9:50	M W F	P 200	staff

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Course No. & Hours		Descriptive Title		Days		Bldg & Room		Prerequisite
Fall	Winter	Spring	Time					Instructor
111c-5								
		2	9:00-9:50	Tu	Th	Browne	Mr Van Lente	
			8:00-8:50	Tu		P 204	Mr Van Lente	
			8:00-9:50	M	W F	P 213	staff	
		3	9:00-9:50	Tu	Th	Browne	Mr Van Lente	
			8:00-8:50	Tu		P 204	Mr Van Lente	
			10:00-11:50	M	W F	P 200	staff	
		4	9:00-9:50	Tu	Th	Browne	Mr Van Lente	
			8:00-8:50		Th	P 204	Mr Van Lente	
			10:00-11:50	M	W F	P 213	staff	
		5	9:00-9:50	Tu	Th	Browne	Mr Van Lente	
			8:00-8:50		Th	P 204	Mr Van Lente	
			6:00-7:25 P.M.	M	W	P 200	staff	
		6	2:00-2:50	Tu	Th	Browne	Mr Neckers	
			1:00-1:50	Tu		P 204	Mr Neckers	
			1:00-2:50	M	W F	P 200	staff	
		7	2:00-2:50	Tu	Th	Browne	Mr Neckers	
			1:00-1:50	Tu		P 204	Mr Neckers	
			1:00-2:50	M	W F	P 213	staff	
		8	2:00-2:50	Tu	Th	Browne	Mr Neckers	
			1:00-1:50	Tu		P 204	Mr Neckers	
			3:00-4:50	M	W F	P 200	staff	
		9	2:00-2:50	Tu	Th	Browne	Mr Neckers	
			1:00-1:50		Th	P 204	Mr Neckers	
			3:00-4:50	M	W F	P 213	staff	
		10	2:00-2:50	Tu	Th	Browne	Mr Neckers	
			1:00-1:50		Th	P 204	Mr Neckers	
			6:00-7:50 P.M.	MTu	Th	P 213	staff	
221-3 Qualitative Analysis								
		1	9:00-9:50	M	Th	P 204	Mr Van Atta	
			8:00-10:50		F	P 200	staff	
		2	10:00-10:50		W F	P 111	staff	
			9:00-11:50		S	P 200	staff	
		3	1:00-1:50	Tu	F	P 111	Mr Van Atta	
			12:00-2:50	M		P 213	staff	
230-4 General Analytical Chemistry								
		1	2:00-2:50	M	W	P 204	staff	
			1:00-3:50		Tu Th	P 103	staff	
		2	2:00-2:50	M	W	P 204	staff	
			3:00-5:50	M	W	P 103	staff	
235-5 General Quantitative Analysis								
		1	1:00-1:50	M	W F	P 204	staff	
			1:00-3:50		Tu Th	P 103	staff	
		2	1:00-1:50	M	W F	P 204	staff	
			2:00-4:50	M	W	P 103	staff	
		T3	1:00-1:50	M	W F	P 204	staff	
			8:00-10:50		Tu Th	P 103	staff	
305a-4 Organic Chemistry, pre-Professional								
		1	11:00-11:50	Tu	ThF	Browne	Mr Hadley	
			9:00-11:50		S	P 205	staff	
		2	11:00-11:50	Tu	ThF	Browne	Mr Hadley	
			8:00-10:50		Th	P 205	staff	
		3	11:00-11:50	Tu	ThF	Browne	Mr Hadley	
			10:00-12:50	M		P 115	staff	
		4	11:00-11:50	Tu	ThF	Browne	Mr Hadley	
			12:00-2:50	M		P 205	staff	
		T5	11:00-11:50	Tu	ThF	Browne	Mr Hadley	
			12:00-2:50		W	P 115	staff	

Course No. & Hours			Descriptive Title	Days			Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring	Time					
		1	10:00-10:50	M	W	F	P 111	Mr Hadley
			8:00-10:50	Tu			P 205	staff
		T2	10:00-10:50	M	W	F	P 111	Mr Hadley
			8:00-10:50		Th		P 205	staff
305b-4			305a					
		1	11:00-11:50	Tu	Th		Browne	Mr Hadley
			8:00-10:50	M	Th		P 205	staff
		2	11:00-11:50	Tu	Th		Browne	Mr Hadley
			12:00-2:50	M	W		P 205	staff
		3	11:00-11:50	Tu	Th		Browne	Mr Hadley
			8:00-10:50	Tu		S	P 205	staff
		4	11:00-11:50	Tu	Th		Browne	Mr Hadley
			8:00-10:50	Tu	Th		P 115	staff
		T5	11:00-11:50	Tu	Th		Browne	Mr Hadley
			1:00-3:50	Tu	Th		P 115	staff
331-3 Introductory Quantitative Analysis			221					
		1	2:00-2:50	Tu	Th		P 111	Mr Van Atta
			1:00-3:50	M			P 103	staff
		2	2:00-2:50	Tu	Th		P 111	Mr Van Atta
			2:00-4:50		W		P 103	staff
		T3	2:00-2:50	Tu	Th		P 111	Mr Van Atta
			9:00-11:50			S	P 103	staff
341a-4 Organic Chemistry			111c					
		1	8:00-8:50	MTu	Th		P 204	Mr Beyler
			8:00-10:50		W		P 205	staff
		2	8:00-8:50	MTu	Th		P 204	Mr Beyler
			8:00-10:50			F	P 205	staff
		3	8:00-8:50	MTu	Th		P 204	Mr Beyler
			1:00-3:50		Th		P 205	staff
341b-5			341a					
		1	8:00-8:50	MTu	Th		P 204	Mr Moulton
			8:00-10:50		W	F	P 205	staff
		2	8:00-8:50	MTu	Th		P 204	Mr Moulton
			12:00-2:50	Tu		F	P 205	staff
		3	8:00-8:50	MTu	Th		P 204	Mr Moulton
			3:00-5:50	Tu	Th		P 205	staff
341c-5			341B					
		1	8:00-8:50	MTu	Th		P 111	Mr Moulton
			8:00-10:50		W	F	P 205	staff
		2	8:00-8:50	MTu	Th		P 111	Mr Moulton
			12:00-2:50	Tu		F	P 205	staff
		3	8:00-8:50	MTu	Th		P 111	Mr Moulton
			1:00-3:50	M	W		P 205	staff
350-4 Biological Chemistry			305B or 341C or GSA 101C					
		T1	2:00-2:50	M	W	F	P 204	staff
			1:00-3:50	Tu			P 115	staff
		T2	2:00-2:50	M	W	F	P 204	staff
			12:00-2:50		Th		P 115	staff
		T3	2:00-2:50	M	W	F	P 204	staff
			9:00-11:50			S	P 115	staff
		T4	2:00-2:50	M	W	F	P 204	staff
			3:00-5:50	M			P 115	staff
375-0 to 1 Senior Seminar			Sr standing					
	1	1	1	To be arranged				staff
411-3 Inorganic Chemistry			331, 305B or 341C					
		1	1:00-1:50	M	W	Th	P 111	staff
412-3 Inorganic Preparations			411					
		1	11:00-11:50			F	P 204	staff
			Laboratory to be arranged					

90 CHEMISTRY (CHEM)

Course No. & Hours		Descriptive Title		Days		Bldg & Room		Prerequisite Instructor
Fall	Winter	Spring	Time					
432-4 Instrumental Techniques						235 or 331 and 305B or 341C		
	1	4:00-4:50	M W			P 111		staff
		8:00-10:50	M W			P 103		staff
	2	4:00-4:50	M W			P 111		staff
		8:00-10:50	Tu F			P 103		staff
	3	4:00-4:50	M W			P 111		staff
		8:00-10:50	Th S			P 103		staff
	4	4:00-4:50	M W			P 111		staff
		3:00-5:50	M W			P 104B		staff
	5	4:00-4:50	M W			P 111		staff
		12:00-2:50	M W			P 103		staff
	6	4:00-4:50	M W			P 111		staff
		1:00-3:50	Tu F			P 104B		staff
433-4 Intermediate Quantitative Analysis						460 or 461B		
	1	4:00-4:50	Tu Th			P 204		staff
		8:00-10:50	Tu Th			P 103		staff
	1	4:00-4:50	M W			P 204		staff
		8:00-10:50	M W			P 103		staff
444-3 Organic Reactions						341C		
	1	9:00-9:50	M W F			P 111		staff
446-4 Qualitative Organic Analysis						341C		
	1	9:00-9:50	Tu Th			P 204		Mr Hadley
		8:00-10:50	W F			P 115		Mr Hadley
447-3 Quantitative Organic Chemistry						305B or 341C and 331 or 235		
	1	11:00-11:50	W			P 111		Mr Hadley
		8:00-10:50	W F			P 115		Mr Hadley
451A-3 Biochemistry						341C or 305B		
	1	8:00-8:50	M W F			P 111		Mr BeMiller
451B-4						451A		
	1	8:00-8:50	M W F			P 111		Mr BeMiller
		9:00-11:50	M			P 115		staff
	2	8:00-8:50	M W F			P 111		Mr BeMiller
		1:00-3:50	W			P 115		staff
451C-4						451B		
	1	8:00-8:50	M W F			P 204		Mr BeMiller
		9:00-11:50	M			P 115		staff
	2	8:00-8:50	M W F			P 204		Mr BeMiller
		1:00-3:50	W			P 115		staff
460-5 Theoretical Chemistry						235 or 331 and 305b or 341c		
	1	2:00-2:50	M W F			P 111		Mr Ruch
		1:00-3:50	Tu Th			P 103		staff
461A-4 Physical Chemistry						331 or †, 341C, Math 253, and one year college Physics		
	1	11:00-11:50	MTu Th			P 111		Mr Van Lente
		10:00-12:50	W			P 104		Mr Van Lente
	2	11:00-11:50	MTu Th			P 111		Mr Van Lente
		10:00-12:50	F			P 104		Mr Van Lente
	3	11:00-11:50	MTu Th			P 111		Mr Van Lente
		1:00-3:50	M			P 104		Mr Van Lente
	T4	11:00-11:50	MTu Th			P 111		Mr Van Lente
		1:00-3:50	Th			P 104		Mr Van Lente
461B-4						461A		
	1	11:00-11:50	MTu Th			P 111		Mr Van Lente
		10:00-12:50	W			P 104		Mr Van Lente
	2	11:00-11:50	MTu Th			P 111		Mr Van Lente
		10:00-12:50	F			P 104		Mr Van Lente
	3	11:00-11:50	MTu Th			P 111		Mr Van Lente
		1:00-3:50	M			P 104		Mr Van Lente

Course No. & Hours	Descriptive Title	Days	Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring	Time	
T4	11:00-11:50	MTu Th	P 111	Mr Van Lente
	1:00-3:50	Th	P 104	Mr Van Lente
461C-4	1	11:00-11:50	MTu Th	P 111 Mr Van Lente
		10:00-12:50	W	P 104 Mr Van Lente
	2	11:00-11:50	MTu Th	P 111 Mr Van Lente
		10:00-12:50	F	P 104 Mr Van Lente
	3	11:00-11:50	MTu Th	P 111 Mr Van Lente
		1:00-3:50	M	P 104 Mr Van Lente
	T4	11:00-11:50	MTu Th	P 111 Mr Van Lente
		1:00-3:50	Th	P 104 Mr Van Lente
471-3	Industrial Chemistry			305B or 341C
	1	9:00-9:50	M W F	P 111 Mr Hadley
490-2	Chemical Literature		GSD 128 or concurrent enrollment	
	1	3:00-3:50	Tu Th	P 111 staff
	1	1:00-1:50	Tu Th	P 111 staff
496A-2 to 6	Chemical Problems, Analytical			Consent of department
	1 1 1	To be arranged	P 107	staff
496B-2 to 6	Chemical Problems, Biochemistry			Consent of department
	1 1 1	To be arranged	P 107	staff
496C-2 to 6	Chemical Problems, Inorganic			Consent of department
	1 1 1	To be arranged	P 107	staff
496D-2 to 6	Chemical Problems, Organic			Consent of department
	1 1 1	To be arranged	P 107	staff
496E-2 to 6	Chemical Problems, Physical			Consent of department
	1 1 1	To be arranged	P 107	staff
511A-3	Advanced Inorganic Chemistry			411, 460, or 461C
	1	2:00-2:50	Tu ThF	P 204 staff
511B-3	Advanced Inorganic Chemistry			511A
	1	2:00-2:50	M W F	P 111 staff
511C-3	Advanced Inorganic Chemistry			511B
	1	2:00-2:50	M W F	P 204 staff
531-3	Theory of Quantitative Analysis			433
	1	To be arranged		staff
532-3	Instrumental Methods of Analysis			460 or 461B
	1	3:00-3:50	Tu Th	P 111 staff
		Laboratory to be arranged		
533-3	Industrial Analytical Methods			532
	1	11:00-11:50	M W F	P 204 staff
539-2 to 9	Advanced Topics in Analytical Chemistry			432, 531
	1 1 1	To be arranged		staff
541-3	Advanced Organic Chemistry			444
	1	9:00-9:50	M W F	P 111 staff
542-3	Advanced Organic Chemistry			541
	1	9:00-9:50	M W F	P 204 staff
543-3	Advanced Organic Chemistry			541
	1	3:00-3:50	M ThF	P 204 staff
547-3 to 6	Advanced Laboratory Preparations in Organic Chemistry			446
	1 1 1	To be arranged	P 113	staff
549-2 to 6	Advanced Topics in Organic Chemistry			541C
	1 1 1	To be arranged		staff
551-3	Advanced Biochemistry			451C
	1	To be arranged		Mr BeMiller
552-3	Advanced Biochemistry			451C
	1	To be arranged		Mr BeMiller
553-3	Advanced Biochemistry			451C
	1	To be arranged		Mr BeMiller
561-3	Chemical Thermodynamics			461C
	1	4:00-4:50	MTu Th	P 111 Mr Musulin

92 CHEMISTRY (CHEM)

Course No. & Hours		Descriptive Title		Days		Bldg & Room		Prerequisite Instructor
Fall	Winter	Spring	Time					
562-3	Atomic and Molecular Structure							561
1			4:00-4:50	Tu	ThF	P 111		Mr Musulin
563-3	Chemical Kinetics							561, and consent of department
1			4:00-4:50	M	WTh	P 111		Mr Musulin
569-2	Advanced Topics in Physical Chemistry							561
1	1	1	To be arranged					staff
594A-2 to 6	Special Readings in Chemistry, Analytical							Consent of department
1	1	1	To be arranged					staff
594C-2 to 6	Special Readings in Chemistry, Inorganic							Consent of department
1	1	1	To be arranged					staff
594D-2 to 6	Special Readings in Chemistry, Organic							Consent of department
1	1	1	To be arranged					staff
594E-2 to 6	Special Readings in Chemistry, Physical							Consent of department
1	1	1	To be arranged					staff
595A-1	Advanced Seminar in Chemistry, Analytical							Consent of department
1	1	1	To be arranged					staff
595B-1	Advanced Seminar in Chemistry, Biochemistry							Consent of department
1	1	1	To be arranged					staff
595C-1	Advanced Seminar in Chemistry, Inorganic							Consent of department
1	1	1	To be arranged					staff
595D-1	Advanced Seminar in Chemistry, Organic							Consent of department
1	1	1	To be arranged					staff
595E-1	Advanced Seminar in Chemistry, Physical							Consent of department
1	1	1	To be arranged					staff
596A-3 to 9	Advanced Chemical Problems, Analytical							Consent of department
1	1	1	To be arranged			P 113		staff
596B-3 to 9	Advanced Chemical Problems, Biochemistry							Consent of department
1	1	1	To be arranged			P 113		staff
596C-3 to 9	Advanced Chemical Problems, Inorganic							Consent of department
1	1	1	To be arranged			P 113		staff
596D-3 to 9	Advanced Chemical Problems, Organic							Consent of department
1	1	1	To be arranged			P 113		staff
596E-3 to 9	Advanced Chemical Problems, Physical							Consent of department
1	1	1	To be arranged			P 113		staff
597A-3 to 15	Research and Thesis, Analytical							Consent of department
1	1	1	To be arranged			P 113		staff
597B-3 to 15	Research and Thesis, Biochemistry							Consent of department
1	1	1	To be arranged			P 113		staff
597C-3 to 15	Research and Thesis, Inorganic							Consent of department
1	1	1	To be arranged			P 113		staff
597D-3 to 15	Research and Thesis, Organic							Consent of department
1	1	1	To be arranged			P 113		staff
597E-3 to 15	Research and Thesis, Physical							Consent of department
1	1	1	To be arranged			P 113		staff
598A-1 to 15	Doctoral Research, Analytical							Consent of department
1	1	1	To be arranged			P 113		staff
598B-1 to 15	Doctoral Research, Biochemistry							Consent of department
T1	T1	T1	To be arranged			P 113		staff
598C-1 to 15	Doctoral Research, Inorganic							Consent of department
T1	T1	T1	To be arranged			P 113		staff
598D-1 to 15	Doctoral Research, Organic							Consent of department
1	1	1	To be arranged			P 113		staff
598E-1 to 15	Doctoral Research, Physical							Consent of department
1	1	1	To be arranged			P 113		staff
600A-1 to 15	Dissertation, Analytical							Consent of department
1	1	1	To be arranged			P 113		staff
600D-1 to 15	Dissertation, Organic							Consent of department
T1	T1	T1	To be arranged			P 113		staff

Course No. & Hours	— Descriptive Title	Days	Bldg & Room	Prerequisite Instructor
Fall Winter Spring	Time			

600E-1 to 15	Dissertation, Physical			Consent of department
T1 T1 T1	To be arranged		P 113	staff

† Concurrent enrollment

CLOTHING and TEXTILES (C & T)

127-4	Clothing Selection and Construction						
1		8:00-9:50	MTuWTh	HEc 304		staff	
2		3:00-4:50	MTu ThF	HEc 310		staff	
	1	8:00-9:50	MTu ThF	HEc 304		staff	
		1	8:00-9:50	MTuWTh	HEc 304	staff	
	2	2	1:00-2:50	MTuWTh	HEc 304	staff	
131-3	Applied Design						
1	1	1	11:00-12:50	M W	HEc 304	Mrs Evans	
2			1:00-2:50	W F	HEc 304	Mrs Evans	
	2		11:00-12:50	M Th	HEc 304	Mrs Evans	
	3		3:00-4:50	M W	HEc 304	Mrs Evans	
135-3	Textiles						
1	1	1	8:00-9:50	M W	HEc 301	Miss Padgett	
2			8:00-9:50	M Th	HEc 301	Miss Padgett	
	2	2	8:00-9:50	M F	HEc 301	Miss Padgett	
231-3	Applied Design						131
	T1		3:00-4:50	M Th	HEc 304	Mrs Evans	
233-3	Pattern Designing and Clothing Construction						127, 131, 135 or consent of department
1	1	1	1:00-2:50	M W	HEc 310	staff	
			1:00-1:50	F	HEc 310	staff	
251-3	Clothing Selection and Care						
T1			11:00-11:50	M W F	HEc 303	staff	
300-2 to 6	Display						131 or consent of department
1	1		4:00-4:50	M W	HEc 302	staff	
			Additional hours to be arranged				
322-3	Advanced Textiles						135
1			1:00-2:50	M W	HEc 301	Miss Padgett	
323-2	Housing						
1			3:00-3:50	Tu	HEc 304	staff	
			3:00-4:50	Th	HEc 304	staff	
	1		3:00-4:50	W	HEc 303	staff	
			3:00-3:50	F	HEc 303	staff	
	T1		9:00-9:50	W	HEc 303	staff	
			9:00-10:50	F	HEc 303	staff	
327-3	Home Furnishings and Interiors						131 or consent of department
1			2:00-3:50	W F	HEc 303	staff	
	1		3:00-4:50	M Th	HEc 303	staff	
329-3	Fashion						
1			11:00-11:50	M W F	HEc 310	staff	
339-3	Clothing Economics						
1			1:00-1:50	M W F	HEc 301	Miss Padgett	
360-4	Tailoring and Clothing Construction						233
1	T1		8:00-9:50	MTu ThF	HEc 310	staff	
2			11:00-12:50	MTu ThF	HEc 310	staff	
	1		9:00-10:50	M WThF	HEc 310	staff	
364-3	Draping and Construction						233
	1		11:00-11:50	M	HEc 310	staff	
			11:00-12:50	W F	HEc 310	staff	
371-6	Field Experience						
1			To be arranged				staff
380-4	Furniture and Interiors						
1			2:00-2:50	MTuWTh	HEc 302	staff	
			Additional hours to be arranged				

94 CLOTHING & TEXTILES (C & T)

Course No. & Hours	Descriptive Title			Days	Bldg & Room	Prerequisite Instructor
	Fall	Winter	Spring			
381-4 Modern Movement in Interior Decoration						380
	1		9:00-9:50	MTuWTh	HEc 302	staff
			Additional hours to be arranged			
382-4 The Decorative Arts						327, 390
	1		10:00-10:50	TuWThF	HEc 302	staff
			Additional hours to be arranged			
390-5 Principles of Interior Decoration						
	1		8:00-9:50	MTu Th	HEc 302	staff
391A-5 Advanced Interior Decoration						390
	1		1:00-1:50	MTuWTh	HEc 302	staff
			1:00-2:50	F	HEc 302	staff
391B-5						391A
	1		3:00-3:50	M WThF	HEc 302	staff
			3:00-4:50	F	HEc 302	staff
391C-5						391B
	1		1:00-2:50	MTu Th	HEc 302	staff
394-4 Professional Practice						391C
	1		3:00-4:50	MTu	HEc 302	staff
			3:00-3:50	W	HEc 302	staff
395-2 to 6 Special Problems						
	1	1	1	To be arranged		staff
423-4 Advanced Family Housing						
	1		9:00-11:30	S	HEc 303	staff
			(plus 4 extra sessions)			
434-4 History of Costume						
	1		9:00-11:30	S	HEc 304	Mrs Evans
			(plus 4 extra sessions)			
474-4 Advanced Textiles						
	1		6:30-9:00 P.M.	Tu	HEc 301	Miss Padgett
			(plus 4 extra sessions)			
481-2 to 6 Readings						
	1	1	1	To be arranged		staff
570-4 Clothing and Textiles Seminar						
	1		1	To be arranged		Miss Padgett
572-2 to 8 Special Problems						
	1		1	To be arranged		staff
599-5 to 9 Thesis						
	1	1	1	To be arranged		staff

Home Economics Honors Courses (H Ec)

387-2 to 4 Special Problems—Honors						
	1	1	1	To be arranged		staff
388-2 to 4 Research and Investigations—Honors						
	1	1	1	To be arranged		staff

COMMUNITY DEVELOPMENT INSTITUTE

Students interested in a minor in community development should consult Dr. Richard C. Franklin, Director, Community Development Institute, Anthony Hall.

DESIGN (DES)

100-5 Design Fundamentals						
	1	1	1	8:00-9:50	M W F	T 125
				11:00-11:50	M W	T 125
				4:00-4:50	Tu	T 125
	2	2	2	8:00-9:50	Tu Th S	T 125
				11:00-11:50	Tu Th	T 125
				4:00-4:50	Tu	T 125

staff
staff
Mr Cohen
staff
staff
Mr Cohen

Course No. & Hours — Descriptive Title			Fall Winter Spring			Time	Days	Bldg & Room	Prerequisite Instructor
200-2	Materials and Basic Techniques		1	1	1	6:00-9:00 P.M.	M	T 125	15 hrs of 100 staff
215-4	Basic Product-Shelter Design		1	1	1	8:00-9:50	M Th	T 125	15 hrs of 100 staff
						11:00-11:50	M Th	T 125	staff
						10:00-10:50	W	T 125	staff
250-2	Survey of Product-Shelter Design		T1	T1	T1	6:00-9:00 P.M.	Tu	T 125	staff
260-2	Survey of Visual Design		T1	T1	T1	6:00-9:00 P.M.	Th	T 125	staff
275-4	Basic Visual Design		1	1	1	8:00-9:50	Tu F	T 125	15 hrs of 100 staff
						10:00-10:50	W	T 125	staff
						11:00-11:50	Tu F	T 125	staff
300-2	Materials and Basic Techniques		1	1	1	6:00-9:00 P.M.	Tu	T 126	6 hrs of 200 Mr Grosowsky
366-5	Product-Shelter Design		1	1	1	1:00-4:50	MTuW	T 126	12 hrs of 215 Mr Grosowsky
375-5	Visual Design		1	1	1	1:00-4:50	ThF	T 126	12 hrs of 275 Mr Grosowsky
						9:00-12:00	S	T 126	Mr Grosowsky
390-2	Principles of Design		T1	T1	T1	7:00-9:00 P.M.	W	T 125	staff
400-2	Materials and Basic Techniques		1	1	1	6:00-9:00 P.M.	Tu	T 126	6 hrs of 300 staff
465F-5	Research in Product-Shelter Design		1	1	1	1:00-4:50	MTuW	T 126	15 hrs of 366 staff
465G-5	Research in Visual Design		1	1	1	1:00-4:50	ThF	T 126	15 hrs of 375 staff
						9:00-12:00	S	T 126	staff
490F-4	Studio in Product-Shelter Design		1	1	1	To be arranged			Consent of department staff
500F-2 to 6	Seminar in Product-Shelter Design		1	1	1	1:00-4:50	M W	T 128	Consent of department staff
500G-2 to 6	Seminar in Visual Design		1	1	1	1:00-4:50	Tu Th	T 128	Consent of department staff
510F-2 to 6	Research in Product-Shelter Design		1	1	1	To be arranged			Consent of department staff
510G-2 to 6	Research in Visual Design		1	1	1	To be arranged			Consent of department staff
550-2 to 6	Field Study in Design		1	1	1	To be arranged			Consent of department staff
599-2 to 4	Thesis		1	1	1	To be arranged			Consent of department staff

ECONOMICS (ECON)

214-3	Economics (Macro)		1			8:00-8:50	M FS	Wham 112	GSB 211A Mr Stalon
			T2			8:00-8:50	TuWTh	Wham 110	Mr Layer
				T1		8:00-8:50	Tu ThF	Wham 112	Mr Layer
			3			9:00-9:50	Tu Th S	Wham 112	Mr Stalon
				2		11:00-11:50	M W F	Wham 112	Mr Layer
				3		12:00-12:50	MTuW	Wham 112	Mr Morrison
1						1:00-1:50	MTu F	Wham 112	Mr Wells
			4			1:00-1:50	TuWTh	Wham 112	Mr Morrison
2						2:00-2:50	TuW F	Wham 112	Mr Morrison
			T5			2:00-2:50	Tu ThF	Wham 112	Mr Layer
3						3:00-3:50	TuW F	Wham 112	Mr Wells
			T4			4:00-4:50	M W F	Wham 112	staff

96 ECONOMICS (ECON)

Course	No. & Hours	—	Descriptive Title	Time	Days	Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring					
215-3	Economics (Micro)						GSB 211A
1			8:00–8:50	M	F	Wham 112	Mr Edelman
			8:00–8:50		W	Wham 202	Mr Edelman
		1	8:00–8:50	M	WTh	Wham 203	Mr Isbell
2			9:00–9:50	M	W F	Wham 112	Mr Edelman
	1		9:00–9:50	M	W F	Wham 112	staff
		2	9:00–9:50	M	WTh	Wham 112	Mr Martinsek
		3	11:00–11:50	Tu	Th S	Wham 112	staff
	2		12:00–12:50	MTu	Th	Wham 112	Mr Ellis
		4	2:00–2:50	Tu	WTh	Wham 112	staff
	3		3:00–3:50	M	WTh	Wham 112	Mr Ellis
301-1 to 6	Economic Readings						Consent of department
1	1	1	To be arranged				Mr Layer
308-4	Economic and Business Statistics I						307 or GSD 108c or 110 or 114c
1			8:00–8:50	MTu	Th	Wham 329	Mr Marks
			8:00–9:50		S	Wham 327	staff
310-4	Labor Problems						206 or 215
1			11:00–11:50	MTu	W F	Wham 112	Mr Edelman
	1		12:00–12:50	MTu	W F	Wham 203	Mr Edelman
		1	2:00–2:50	MTu	W F	Wham 206	Mr Edelman
315-4	Money and Banking I						206 or 214
1			10:00–10:50	Tu	WThF	Wham 112	Hollenhorst
		1	10:00–10:50	Tu	ThFS	Wham 112	Hollenhorst
	T1		11:00–11:50	Tu	WThF	Wham 112	Mr Layer
2			12:00–12:50	Tu	WThF	Wham 112	Hollenhorst
		T2	1:00–1:50	MTu	WTh	Wham 112	Mr Layer
	2		4:00–4:50	MTu	W F	Wham 112	Hollenhorst
317-4	Economic History of the United States						205 or 214 or GSB 101c or 211c
1			9:00–9:50	MTu	WTh	Wham 202	Mr Layer
		1	9:00–9:50	Tu	ThFS	Wham 202	Mr Ellis
	T1		10:00–10:50	Tu	WThF	Wham 202	Mr Layer
	2		2:00–2:50	MTu	WTh	Wham 202	Mr Ellis
			4:00–4:50	MTu	ThF	Wham 308	Mr Ellis
		T2	4:00–4:50	MTu	WTh	Wham 110	Mr Layer
330-4	Public Finance I						GSB 211C or Econ. 206 or 214
1			8:00–8:50	MTu	W F	Wham 203	Mr Morrison
		1	11:00–11:50	Tu	WThF	Wham 206	Mr Stalon
360-3	Regional Economy						205 and 206 or 214 and 215
	1		12:00–12:50	Tu	ThF	Wham 201	Mr Ellis
408-4	Economic and Bus. Statistics II						Econ. 307 or GSD 108c or 110 or 114c
1			8:00–8:50	M	W F	Wham 329	Mr Marks
			8:00–9:50		Th	Wham 329	Mr Marks
411-4	Collective Bargaining and Dispute Settlement						310 or consent of department
1			1:00–1:50	MTu	W F	Wham 329	Mr Edelman
416-4	Money and Banking II						315 or consent of department
1			11:00–11:50	MTu	ThF	Wham 206	Mr Wiegand
418-4	The Economic History of Europe						205 or GSB 211a or consent of department
1			1:00–1:50	MTu	WTh	Wham 208	staff
419-4	Latin American Economic Development						205 or GSB 211a
	1		2:00–2:50	MTu	ThF	Wham 328	Mr Wiegand
429-4	International Economics						205 and 206 or 214 and 215 or consent of department
		1	11:00–11:50	MTu	W F	Wham 208	Mr Wells
1			2:00–2:50	MTu	ThF	Wham 206	Mr Allen
431-3	Public Finance II						330 or consent of department
1			3:00–3:50	Tu	ThF	Wham 137	Mr Morrison
432-3	Fiscal Policy of the United States						206 or 214 and 215 or consent of department
1			11:00–11:50	Tu	WTh	Wham 208	Mr Stalon

Course No. & Hours — Descriptive Title				Days		Bldg & Room		Prerequisite
Fall	Winter	Spring	Time					Instructor
436-3 ¹			Government and Labor	205	or 215 or GSB 211c	or consent of department		
	1		9:00-9:50	M	W	F	Wham 206	staff
440-4			Intermediate Micro Theory	205	and 206 or 215	or consent of department		
1	1	1	3:00-3:50	MTu	ThF		Wham 203	Mr Allen
441-4			Intermediate Macro Theory	205	and 206 or 214	or consent of department		
	1		10:00-10:50	TuWThF			Wham 326	Mr Stalon
	1		11:00-11:50	MTu	Th	S	Wham 208	Mr Stalon
1			4:00-4:50	TuWThF			Wham 203	Mr Stalon
450a-3			History of Economic Thought	206	or 214 and 215	or consent of department		
1			10:00-10:50	Tu	Th		Wham 205	Mr Wiegand
1			10:00-10:50		F		Wham 208	Mr Wiegand
450b-3				450a	or consent of department			
	1		10:00-10:50	Tu	ThF		Wham 112	Mr Wiegand
460-4			Russian Economy	205	or GSB 211A	or consent of department		
1			8:00-8:50	MTu	FS		Wham 203	Mr Wells
461-4			Comparative Economic Development in Asia	205	or GSB 211A	or consent of department		
1			8:00-8:50	TuWTh	S		Wham 303	staff
465-4			Mathematical Economics I	440	and consent of department			
1			12:00-12:50	M	WThF		Wham 137	Mr Martinsek
467-4			Econometrics I	Consent of department				
	1		2:00-2:50	M	WThF		Wham 137	Mr Marks
470-3			Business Cycles	315	or 441 or consent of department			
1			9:00-9:50	Tu	Th		Wham 205	Mr Marks
			9:00-9:50		F		Wham 202	Mr Marks
1			9:00-9:50	M	W	F	Wham 206	Mr Marks
471-4 ²			Land Resource Economics	440	or 441			
	1		3:00-4:50	M	W		Ag 172	Mr Beazley
481-4			Comparative Economic Systems	205	or 214 and 215	or consent of department		
1			4:00-4:50	MTuW	F		Wham 112	Mr Wells
500-4 to 8			Economics Seminar	206	or 214 and 215	or consent of department		
	T1		12:00-12:50	TuWThF			Wham 301B	staff
501-1 to 5			Economic Readings	Consent of department				
1	1	1	To be arranged					Mr Layer
502-1 to 6 ³			Readings in Resource Economics	Consent of department				
1	1	1	To be arranged					Mr Beazley
512-4			Labor Economics	310	or consent of department			
	1		1:00-1:50	MTuW	F		Wham 137	Mr Edelman
517-4			Monetary Theory and Policy	315	and 441 or consent of department			
	1		8:00-8:50	Tu	ThFS		Wham 137	Hollenhorst
519-4			Economic Growth	317	or 418 or consent of department			
1			12:00-12:50	MTu	ThF		Wham 137	Mr Ellis
530-4			Foreign Trade and Finance	429	or consent of department			
	1		9:00-9:50	Tu	F		Wham 137	Mr Wells
			9:00-10:50	W			Wham 137	Mr Wells
531-4			Seminar in International Economics	530	or consent of department			
	1		9:00-10:50	Tu	Th		Wham 137	Mr Wells
533-4			Public Finance Theory and Practice	330	or consent of department			
	1		3:00-3:50	MTuWTh			Wham 137	Mr Morrison
541-4			National Income Theory	441	or consent of department			
	1		2:00-2:50	MTuW	F		Wham 206	Hollenhorst
542-4			Price Theory	440	or consent of department			
	1		4:00-4:50	MTu	ThF		Wham 328	Mr Allen
543-4			Seminar in Economic Policy	440	and 441 or consent of department			
	1		4:00-4:50	MTu	ThF		Wham 328	Mr Allen
552-4			Seminar in Economic Thought	450A	and 450b or consent of department			
1			7:35-9:15 P.M.	Tu	Th		Wham 137	Mr Hickman
562-4			Seminar in Economic Systems	481	or consent of department			
	1		7:35-9:15 P.M.	Tu	Th		Wham 137	Mr Hickman

98 ECONOMICS (ECON)

Course No.	Hours	Descriptive Title	Days	Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring	Time		
566-4		Mathematical Economics II	440 or 465 or consent of department		
1		12:00-12:50	M WThF	Wham 137	Mr Martinsek
575-4		Economic Regulation	440 or consent of department		
1		1:00-1:50	MTuWTh	Wham 137	Mr Martinsek
581-4		Economics of Welfare	440 or consent of department		
1		7:35-9:15 P.M.	Tu Th	Wham 137	Mr Hickman
599-3 to 9		Thesis	Consent of department		
1	1	1	To be arranged		Mr Layer
600-3 to 16		Dissertation	Consent of department		
1	1	1	To be arranged		Mr Layer

¹ Cross-listed with Government.

² Cross-listed with Agricultural Industries and Forestry.

³ Cross-listed with Agricultural Industries 520b and Forestry 520b.

EDUCATIONAL ADMINISTRATION and SUPERVISION (ED AD)

355-4		Philosophy of Education			
1		8:00-8:50	MTuWTh	Wham 326	staff
2		9:00-9:50	MTuWTh	Wham 326	staff
3		10:00-10:50	MTuWTh	Wham 326	staff
4		11:00-11:50	MTuWTh	Wham 328	staff
T5		6:00-7:25 P.M.	M W	Wham 326	staff
T6		1:00-1:50	MTuWTh	Wham 326	staff
420-4		Legal Basis of American Education			
1		6:30-9:00 P.M.	W	Wham 329	Mr Lawler
		(Plus 4 extra sessions)			
	1	6:30-9:00 P.M.	Tu	Wham 329	Mr Beem
		(Plus 4 extra sessions)			
424-4		School Administration			
1		6:30-9:00 P.M.	Th	Wham 328	Mr Bryant
		(Plus 4 extra sessions)			
	1	6:30-9:00 P.M.	W	Wham 329	Mr Lawler
		(Plus 4 extra sessions)			
431-3		History of Education in the United States			
1		6:30-9:00 P.M.	M	Wham 328	staff
432-4		Public Opinion, Propaganda, and Education			
1		6:30-9:00 P.M.	W	Wham 326	staff
		(Plus 4 extra sessions)			
456-4		School Supervision			
1	1	6:30-9:00 P.M.	Th	Wham 329	Mr Bracewell
		(Plus 4 extra sessions)			
	1	6:30-9:00 P.M.	W	Wham 329	Mr Bracewell
		(Plus 4 extra sessions)			
460-4		Curriculum			
1	1	6:30-9:00 P.M.	M	Wham 329	Mr Bracewell
		(Plus 4 extra sessions)			
	1	6:30-9:00 P.M.	Tu	Wham 301B	Mr Hall
		(Plus 4 extra sessions)			
500-4		Research Methods			
1	1	6:30-9:00 P.M.	Tu	Wham 326	Mr Bach
	1	6:30-9:00 P.M.	M	Wham 326	Mr Bach
501-4		Seminar in Educational Administration	Consent of instructor and 576-4		
1		4:00-6:30 P.M.	Tu	Lib Conf. Room	Mr Beem
502-4		Seminar in Comparative Education			
1		6:30-9:00 P.M.	W	Wham 328	Mr Jacobs
502S-4		Seminar in Comparative Education: Soviet Russia			
1	1	6:30-9:00 P.M.	M	Wham 208	Mr Counts
503-4		Seminar in Philosophy of Education	554		
1		9:00-11:30	S	Wham 328	Mr Lean

EDUCATIONAL ADMINISTRATION AND SUPERVISION (ED AD) 99

Course No. & Hours	Descriptive Title			Days	Bldg & Room	Prerequisite Instructor
	Fall	Winter	Spring			
504-4 Seminar in History of European Education		1	9:00-11:30	S	Wham 329	Mr Lean
506-4 Seminar: Curriculum in Relation to American Culture		1	6:30-9:00 P.M.	Tu	Wham 329	Mr Hall
507a-4 Seminar: The Twentieth Century and Education		1	9:00-11:30	S	Wham 329	Mr Axtelle and Mr Counts
507B-4		1	9:00-11:30	S	Wham 329	Mr Axtelle and Mr Counts
507C-4		1	9:00-11:30	S	Wham 326	Mr Axtelle and Mr Counts
511a-4 Internship Practicum		1	To be arranged			staff
511b-4		1	To be arranged			staff
511c-4		1	To be arranged			staff
520-4 Illinois School Law		1	6:30-9:00 P.M.	Th	Wham 326	Mr Beem
533-4 School Buildings		1	6:30-9:00 P.M.	W	Wham 328	staff
534-4 School Finance		1	6:30-9:00 P.M.	M	Wham 205	Mr Lawler
554-4 Contrasting Philosophies of Education		1	9:00-11:30	S	Wham 326	355 or Equivalent Mr Lean
556-4 Seminar in Educational Supervision		1	6:30-9:00 P.M.	Th	Wham 301A	456 Bracewell
575A-4 Individual Research (Curriculum)	1	1	1	To be arranged	500 and consent of instructor	staff
575B-4 Individual Research (Supervision)	1	1	1	To be arranged	500 and consent of instructor	staff
575C-4 Individual Research (Buildings)	1	1	1	To be arranged	500 and consent of instructor	staff
575D-4 Individual Research (Finance)	1	1	1	To be arranged	500 and consent of instructor	staff
575E-4 Individual Research (School Law)	1	1	1	To be arranged	500 and consent of instructor	staff
575F-4 Individual Research (Comparative Education)	1	1	1	To be arranged	500 and consent of instructor	staff
575G-4 Individual Research (History of Education)	1	1	1	To be arranged	500 and consent of instructor	staff
575h-4 Individual Research (Philosophy of Education)	1	1	1	To be arranged	500 and consent of instructor	staff
575J-4 Individual Research (Administration)	1	1	1	To be arranged	500 and consent of instructor	staff
575K-4 Individual Research (Elementary Education)	1	1	1	To be arranged	500 and consent of instructor	staff
576A-4 Readings in Administration and Supervision		1	To be arranged			staff
576B-4		1	To be arranged			staff
576C-4		1	To be arranged			staff
589-4 ¹ General Graduate Seminar: Dewey's Social and Political Philosophy		1	4:00-6:30 P.M.	Tu	HEc 211	Mr Axtelle
589-4 ¹ General Graduate Seminar: Dewey's Aesthetics		1	4:00-6:30 P.M.	Tu	HEc 211	Mr Axtelle

100 EDUCATIONAL ADMINISTRATION AND SUPERVISION (ED AD)

Course No. & Hours — Descriptive Title			Days		Bldg & Room		Prerequisite Instructor
Fall	Winter	Spring	Time				
589-4 ¹	General Graduate Seminar: Dewey's Theory of Inquiry						
	1		4:00-6:30 P.M.	Tu	HEc 211		Mr Axtelle
596-4	Independent Investigation						
1	1	1	To be arranged				staff
597-1 to 3	Thesis						
1			To be arranged				staff
598-1 to 3	Thesis						
	1		To be arranged				staff
599-1 to 3	Thesis						
	1		To be arranged				staff
600-1 to 12	Dissertation						
	1		To be arranged				staff

¹ Cross-listed with Philosophy

ELEMENTARY EDUCATION (EL ED)

000-0	Reading and Study Techniques						
1	1	1	11:00-11:50	MTuWTh	Wham 210		Mr Ragsdale
2	2	2	9:00-9:50	MTuWTh	Wham 144		Mr Hafner
T3	T3	T3	10:00-10:50	MTuWTh	Wham 144		Mr Hafner
100-3	Introduction to Elementary Education						
1	1	1	9:00-9:50	M W	Wham 302		Mr Randolph
			9:00-9:50		F	Wham 203	Mr Randolph
2	2	2	9:00-9:50	M W	Wham 302		Mr Randolph
			9:00-9:50		F	Wham 208	staff
203-3 ¹	Understanding the Elementary School Child						
1	1	T1	2:00-2:50	M W	Wham 210		Mr Lee
2	2	T2	3:00-3:50	M W	Wham 210		Mr Lee
309-4	Kindergarten-Primary Social Studies Methods						
	1		9:00-9:50	MTuWTh	Wham 208		Miss Baker
314-4	Elementary School Methods						
1	1	1	9:00-9:50	MTuWTh	Wham 203		Mr Brod
2	2	2	10:00-10:50	MTuWTh	Wham 206		Mr Randolph
3	3	3	11:00-11:50	MTuWTh	Wham 203		Mr Malone
4		4	1:00-1:50	MTuWTh	Wham 203		Mr Bradfield
	4		1:00-1:50	TuWThF	Wham 203		staff
316-4	Kindergarten-Primary Methods and Curriculum						
1		1	9:00-9:50	MTuWTh	Wham 208		Miss Baker
337-4	Reading in the Elementary Schools						
1	1	1	9:00-9:50	MTuWTh	Wham 210		Mr Ragsdale
2	2	2	10:00-10:50	MTuWTh	Wham 203		Mr Brod
3			1:00-1:50	MTuWTh	Wham 210		Mr Ragsdale
	3		1:00-1:50	TuWThF	Wham 210		staff
		3	1:00-1:50	MTuWTh	Wham 206		Mr Randolph
4	4	4	2:00-2:50	MTuWTh	Wham 203		Mr Brod
350b-4 to 16	Kindergarten-Primary Student Teaching						
1	1	1	To be arranged				staff
351b-4 to 16	Elementary Student Teaching						
1	1	1	To be arranged in General				staff
2	2	2	To be arranged in Art				staff
3	3	3	To be arranged in EMH				staff
4	4	4	To be arranged in Music				staff
5	5	5	To be arranged in Physical Education				staff
6	6	6	To be arranged in Physically Handicapped				staff
7	7	7	To be arranged in Speech Correction				staff
413-4	Children's Literature						
1	1	1	10:00-10:50	MTuWTh	Wham 208		Miss Baker
2	2	T2	2:00-2:50	MTuWTh	Wham 208		staff
T3	T3	T3	7:35-9:15 P.M.	Tu Th	Wham 208		staff

Course No. & Hours — Descriptive Title		Days	Bldg & Room	Prerequisite Instructor
Fall	Winter Spring	Time		
415-4	Improvement of Instruction in Arithmetic in the Elementary School	Math 210		
1	4:00-4:50	MTuWTh	Wham 203	Mr Lerch
437-4	Problems in Reading	337, sr standing		
1	6:30-9:00 P.M.	M	Wham 210	Mr Ragsdale
	(Plus 4 extra sessions)			
442-4	Science for the Elementary Teacher	314		
T1 T1 T1	6:30-9:00 P.M.	M	USch 304	staff
	(Plus 4 extra sessions)			
2 2	6:30-9:00 P.M.	W	USch 304	Mr Brown
	(Plus 4 extra sessions)			
505-4 ²	Improvement of Reading Instruction			
1	6:30-9:00 P.M.	Tu	Wham 144	Mr Karlin
507-2 to 4 ²	Readings in Reading			
1 1 1	To be arranged			Mr Karlin
509-4 to 8 ²	Practicum in Reading			
1 1 1	To be arranged			Mr Karlin
510-4 ²	Seminar-Problems in Reading			
1	6:30-9:00 P.M.	W	Wham 144	Mr Karlin
514-4 ²	Organization and Administration of Reading Programs	561 or Ed Ad 460		
1	6:30-9:00 P.M.	Tu	Wham 144	Mr Karlin
515-4	Special Problems in the Teaching of Arithmetic in the Elementary School			
1	6:30-9:00 P.M.	M	Wham 203	Mr Lerch
521A-3 ²	Diagnosis and Correction of Reading Disabilities	337 or 505, Guid 305		
1	9:00-11:30	S	Wham 144	Mr Karlin
521B-3 ²				
1	9:00-11:30	S	Wham 144	Mr Karlin
521C-3 ²				
1	9:00-11:30	S	Wham 144	Mr Karlin
537-4	Kindergarten-Primary Reading			
1	9:00-11:30	S	Wham 208	Miss Baker
541-4	Selected Teaching and Curriculum Problems in Elementary Science			
1	6:30-9:00 P.M.	W	USch 304	Mr Brown
542-4	Language Arts in the Elementary School			
1	6:30-9:00 P.M.	M	Wham 210	Mr Ragsdale
543-4	Teaching the Social Studies in the Elementary School			
1	6:30-9:00 P.M.	Tu	Wham 203	Mr Randolph
557-4	The Elementary Principalship			
1	6:30-9:00 P.M.	Th	Wham 206	Mr Bradfield
561-4	Elementary School Curriculum			
1	6:30-9:00 P.M.	Tu	Wham 210	Mr Lee
570-4	Seminar-Research in Elementary Education	Guid 520a		
1	2:00-3:50	Tu Th	Wham 210	Mr Lerch
575A-4	Individual Research (Curriculum)			
1 1 1	To be arranged			staff
575B-4	Individual Research (Supervision)			
1 1 1	To be arranged			staff
575C-4	Individual Research (Language Arts)			
1 1 1	To be arranged			staff
575D-4	Individual Research (Science)			
1 1 1	To be arranged			staff
575E-4	Individual Research (Reading)			
1 1 1	To be arranged			staff
575F-4	Individual Research (Social Studies)			
1 1 1	To be arranged			staff
575G-4	Individual Research (Problems in Elementary Education)			
1 1 1	To be arranged			staff
575H-4	Individual Research (Arithmetic)			
1 1 1	To be arranged			staff

102 ELEMENTARY EDUCATION (EL ED)

Course No.	Hours	Descriptive Title	Days	Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring	Time		
575J-4	Individual Research (Problems in Kindergarten-Primary)				
1	1	1	To be arranged		staff
575K-4	Individual Research (Elementary Administration)				
1	1	1	To be arranged		staff
596-5 to 9	Independent Investigation				
1	1	1	To be arranged		staff
597-1 to 3	Thesis				
1	1	1	To be arranged		staff
598-1 to 3	Thesis				
1	1	1	To be arranged		staff
599-1 to 3	Thesis				
1	1	1	To be arranged		staff
600-2 to 16	Dissertation				
1	1	1	To be arranged		staff

¹ Plus two hours in succession from 9:00-3:00 on one day, Monday-Friday, for school participation

² Cross-listed with Secondary Education

ENGINEERING (ENGR)

222-3	Digital Computer Programming for Engineers							
1	1	1	9:00-9:50	Tu	Th	Arranged	Mr Ashworth	
			1:00-3:50	M		Arranged	Mr Ashworth	
260a-3 ¹	Analytical Mechanics					Math 150a	concurrently	
1	1		8:00-8:50	M	W	F	EL 130	Mr Howe
2	2		10:00-10:50	M	W	F	EL 130	Mr Howe
3			11:00-11:50	M	W	F	EL 130	Mr Nowacki
4			1:00-1:50	M	W	F	EL 130	Mr Nowacki
260B-3 ¹	Analytical Mechanics							260A
	1	1	8:00-8:50	Tu	Th	S	EL 130	Mr Nowacki
	2	2	10:00-10:50	M	W	F	T26 R110	Mr Nowacki
	3		11:00-11:50	M	W	F	EL 130	Mr Howe
	4		1:00-1:50	M	W	F	EL 130	Mr Howe
260a-3 ¹	Analytical Mechanics					Math 150a	concurrently	
1		1	8:00-8:50	Tu	Th	S	EL 130	Mr Nigro
		2	10:00-10:50	M	W	F	EL 130	Mr Nigro
		3	11:00-11:50	M	W	F	AG 148	Mr Howe
		4	1:00-1:50	M	W	F	EL 130	Mr Howe
300a-3 ¹	Thermodynamics							Math 150b
1	1		8:00-8:50	M	W	F	T26 R110	Mr Stoever
2			2:00-2:50	M	W	F	T26 R110	Mr Stoever
300B-3 ¹								300A
1	1	1	9:00-9:50	M	W	F	T26 R110	Mr Stoever
	2		2:00-2:50	M	W	F	T26 R110	Mr Stoever
300C-3 ¹								300B
	1		8:00-8:50	M	W	F	T26 R110	Mr Stoever
302A-3	Heat and Mass Transfer							300B
	1		11:00-11:50	M	W	F	T26 R110	Mr Stoever
302B-3								302A
	1		11:00-11:50	M	W	F	T26 R110	Mr Stoever
305A-3	Architectural Engineering Design							260C
1			8:00-8:50	Tu	Th		AG 146	staff
			8:00-10:50			S	AG 150	staff
305B-3								305A
	1		8:00-8:50	Tu	Th		AG 146	staff
			8:00-10:50			S	AG 150	staff
305C-3								305B
	1		8:00-8:50	Tu	Th		AG 146	staff
			8:00-10:50			S	AG 150	staff

Course No. & Hours	Descriptive Title	Days	Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring	Time	
311A-3¹	Engineering Materials			260B
1	1	11:00-11:50	Tu Th	EL 120 Mr Paulson
		2:00-4:50	M	EL 120 Mr Paulson
2		1:00-1:50	M W	EL 120 Mr Paulson
		6:00-8:50 P.M.	Th	EL 120 Mr Paulson
311B-3¹				311A
	1	11:00-11:50	Tu Th	EL 120 Mr Paulson
		6:00-8:50 P.M.	M	EL 120 Mr Paulson
	2	1:00-1:50	M W	EL 120 Mr Paulson
		2:00-4:50	Th	EL 120 Mr Paulson
311C-3¹				311B
1	1	11:00-11:50	M W F	EL 120 Mr Paulson
	2	1:00-1:50	M W F	EL 120 Mr Paulson
313A-3	Fluid Mechanics			300B
1		7:35-8:25 P.M.	M WTh	EL 130 staff
313A-3				300B
	1	7:35-8:25 P.M.	M WTh	EL 130 staff
313B-3				313A
	1	7:35-8:25 P.M.	M WTh	EL 130 staff
321A-3	Physical Metallurgy			311A
1		9:00-9:50	Tu Th S	EL 120 staff
321B-3				321A
	1	9:00-9:50	Tu Th S	EL 120 staff
331a-4	Circuit and Field Theory			Math 252b
1		7:35-8:25 P.M.	M WTh	EL 110 Mr Johnson
		5:45-8:25 P.M.	Tu	EL 110 Mr Johnson
331B-4				331A
	1	7:35-8:25 P.M.	M WTh	EL 110 Mr Johnson
		5:45-8:25 P.M.	Tu	EL 110 Mr Johnson
331C-4				331B
	1	7:35-8:25 P.M.	M WTh	EL 110 Mr Johnson
		5:45-8:25 P.M.	Tu	EL 110 Mr Johnson
333A-3	Electrical Energy Conversion			331C
1		7:35-8:25 P.M.	MTuW	EL 120 staff
333B-3				333A
	1	7:35-8:25 P.M.	MTuW	EL 120 staff
333C-3				333B
	1	7:35-8:25 P.M.	MTuW	EL 120 staff
334A-3	Microwave and Antenna Theory			331C
1		9:00-9:50	M W F	EL 110 staff
334B-3				334A
	1	9:00-9:50	M W F	EL 110 staff
334C-3				334B
	1	9:00-9:50	M W F	EL 110 staff
335A-3	Electronics			331
1		9:00-9:50	Tu Th S	EL 110 staff
335B-3				335A
	1	9:00-9:50	Tu Th S	EL 110 staff
335C-3				335B
	1	9:00-9:50	Tu Th S	EL 110 staff
341-3	Mechanical Vibrations			260, Math 252b
	1	6:00-6:50 P.M.	M WTh	EL 130 staff
343A-3	Engineering Design			300B, 311C, 331C
1		7:00-7:50 P.M.	M WTh	EL 110 staff
344A-3	Structures			260C
1		9:00-9:50	M W F	EL 130 Mr Nowacki
344B-3				344A
	1	9:00-9:50	M W F	EL 130 Mr Nowacki

104 ENGINEERING (ENGR)

Course No. & Hours		Descriptive Title		Days		Bldg & Room		Prerequisite Instructor
Fall	Winter	Spring	Time					
344C-3								344B
		1	9:00-9:50	M	W	F	EL 130	Mr Nowacki
346A-3	Concepts of Energy Release							300B
		1	7:00-7:50 P.M.	M	W	Th	EL 130	staff
350a-3	Analog & Digital Computer Design							335b, Math 252b
		1	6:00-6:50 P.M.	M	Tu	W	EL 120	staff
351A-3	Electromechanical Design							335
		1	11:00-11:50	Tu	Th	S	EL 130	staff
352A-3	Electronic Device Design							
		1	11:00-11:50	M	W	F	EL 110	staff
361-4 ¹	Engineering Economics							
	1	1	10:00-10:50	M	Tu	W	Th	AG 146
	2	2	12:00-12:50	M	Tu	W	Th	AG 148
406-3	Statistical Mechanics							Math 305b
		1	8:00-8:50	Tu	Th	S	EL 110	Mr Amoros
412A-3	Engineering Practice							Consent of instructor
		1	6:00-7:25 P.M.	M	W		AG 146	Mr Glenn
412B-3								412A
		1	6:00-7:25 P.M.	M	W		AG 150	Mr Glenn
412C-3								412B
		1	6:00-7:25 P.M.	M	W		AG 146	Mr Glenn
439-3	Transient Analysis							335, Math 305b
		1	To be arranged					staff
445A-3	Structural Design							311, 344
		1	3:00-3:50	M	W	F	AG 146	Mr Nowacki
461A-3	Advanced Mechanics							260C
		1	3:00-3:50	M	W	F	AG 148	staff
462A-3	Theory of Elasticity							461A
		1	1:00-1:50	M			AG 146	staff
			1:00-1:50	M	W	F	AG 172	staff
510-3	Electromagnetic Fields							Math 305b
		1	To be arranged					Mr Crosby
511-3	Quantum Electronics							510
		1	To be arranged					Mr Crosby
517A-4	Analysis and Design of Engineering Systems							Math 300, 306, 311, 335
		1	To be arranged					staff
517B-4								517A
		1	To be arranged					staff

¹ Cross-listed with Engineering Technology

ENGINEERING TECHNOLOGY (E T)

101A-3	Gaphics							
	1	1	8:00-9:50	M	W	F	T26 R114	Mr Klopp
	2		8:00-9:50	Tu	Th	S	T26 R114	Mr Klopp
	3		10:00-11:50	M	W	F	T26 R114	Mr Besterfield
	4		6:00-8:50 P.M.	Tu	Th		T26 R114	Mr Besterfield
101B-3								101A
		1	10:00-11:50	M	W	F	T27 R114	Mr Klopp
		2	8:00-9:50	Tu	Th	S	T26 R114	Mr Besterfield
		3	1:00-2:50	M	W	F	T26 R114	Mr Besterfield
		4	6:00-8:50 P.M.	Tu	Th		T26 R114	staff
101C-3								101A
		1	8:00-9:50	M	W	F	T26 R114	Mr Klopp
		2	8:00-9:50	Tu	Th	S	T26 R114	Mr Besterfield
		3	10:00-11:50	M	W	F	T26 R114	Mr Besterfield
		4	1:00-2:50	M	W	F	T26 R114	Mr Klopp
204a-3	Electrical Circuits							Math 252a
		1	8:00-9:50	M	W		EL 110	Mr Rawlings
			1:00-3:50	Tu			EL 110	Mr Rawlings

Course No. & Hours		Descriptive Title		Days		Bldg & Room		Prerequisite Instructor
Fall	Winter	Spring	Time					
2			9:00-9:50 1:00-3:50	Tu	Th	EL 110 EL 110		Mr Rawlings Mr Rawlings
204B-3								204A
	1		8:00-8:50 1:00-3:50	M	W F	EL 110 EL 110		Mr Rawlings Mr Rawlings
	2		9:00-9:50 1:00-3:50	Tu	Th	EL 110 EL 110		Mr Rawlings Mr Rawlings
204C-3								204B
		1	8:00-8:50 1:00-3:50	M	W	EL 110 EL 110		Mr Rawlings Mr Rawlings
		2	9:00-9:50 1:00-3:50	Tu	Th	EL 110 EL 110		Mr Rawlings Mr Rawlings
260A-3 ¹	Analytical Mechanics						Math 150a	concurrently
1	1		8:00-8:50	M	W F	EL 130		Mr Howe
2	2		10:00-10:50	M	W F	EL 130		Mr Howe
3			11:00-11:50	M	W F	EL 130		Mr Nowacki
4			1:00-1:50	M	W F	EL 130		Mr Nowacki
260B-3 ¹								260A
	1	1	8:00-8:50	Tu	Th S	EL 130		Mr Nowacki
	2	2	10:00-10:50	M	W F	T26 R110		Mr Nowacki
	3		11:00-11:50	M	W F	EL 130		Mr Howe
	4		1:00-1:50	M	W F	EL 130		Mr Howe
260C-3 ¹								260B
1		1	8:00-8:50	Tu	Th S	EL 130		Mr Nigro
		2	10:00-10:50	M	W F	EL 130		Mr Nigro
		3	11:00-11:50	M	W F	AG 148		Mr Howe
		4	1:00-1:50	M	W F	EL 130		Mr Howe
263a-4	Surveying							GSD 114c
1		1	9:00-9:50 2:00-4:50	Tu	Th	EL 120 EL 120		Mr Moeller Mr Moeller
2			9:00-9:50 2:00-4:50	Tu	Th	EL 120 EL 120		Mr Moeller Mr Moeller
263B-4								263A
		1	8:00-8:50 2:00-4:50	Tu	Th	EL 120 EL 120		Mr Moeller Mr Moeller
		2	8:00-8:50 2:00-4:50	Tu	Th	EL 120 EL 120		Mr Moeller Mr Moeller
300a-3 ¹	Thermodynamics						Math 150b	
1	1		8:00-8:50	M	W F	T26 R110		Mr Stoever
2			2:00-2:50	M	W F	T26 R110		Mr Stoever
300B-3 ¹								300A
1	1	1	9:00-9:50	M	W F	T26 R110		Mr Stoever
	2		2:00-2:50	M	W F	T26 R110		Mr Stoever
300C-3 ¹								300B
		1	8:00-8:50	M	W F	T26 R110		Mr Stoever
301A-3	Refrigeration and Air Conditioning							300B
1			12:00-12:50	M	W F	T26 R110		Mr Dunning
301B-3								301A
	1		12:00-12:50	M	W F	T26 R110		Mr Dunning
301C-3								301B
		1	12:00-12:50	M	W F	T26 R110		Mr Dunning
303A-3	Electronics Technology							204C
1			10:00-10:50 2:00-4:50	M	W	EL 110 EL 110		Mr Johnson Mr Johnson
303B-3								303A
	1		10:00-10:50 2:00-4:50	M	W	EL 110 EL 110		Mr Johnson Mr Johnson

106 ENGINEERING TECHNOLOGY (E T)

Course No. & Hours		Descriptive Title		Days		Bldg & Room		Prerequisite
Fall	Winter	Spring	Time					Instructor
303C-3								303B
		1	10:00-10:50	M	W	EL 110		Mr Johnson
			2:00-4:50		W	EL 110		Mr Johnson
308A-3	Machine Design							260C
	1		6:00-6:50 P.M.	MTuW		EL 130		Mr Dunning
308B-3								308A
		1	6:00-6:50 P.M.	MTuW		EL 130		Mr Dunning
310A-3	Construction Mechanics							260C
	1		6:00-6:50 P.M.	MTuW		EL 120		Mr Moeller
310B-3								310A
		1	6:00-6:50 P.M.	MTuW		EL 120		Mr Moeller
310C-3								310B
		1	6:00-6:50 P.M.	MTuW		EL 120		Mr Moeller
311A-3	Engineering Materials							260B
	1	1	11:00-11:50	Tu	Th	EL 120		Mr Paulson
			2:00-4:50	M		EL 120		Mr Paulson
	2		1:00-1:50	M	W	EL 120		Mr Paulson
			6:00-8:50 P.M.		Th	EL 120		Mr Paulson
311B-3								311A
		1	11:00-11:50	Tu	Th	EL 120		Mr Paulson
			6:00-8:50 P.M.	M		EL 120		Mr Paulson
		2	1:00-1:50	M	W	EL 120		Mr Paulson
			2:00-4:50		Th	EL 120		Mr Paulson
311C-3								311B
	1	1	11:00-11:50	M	W	EL 120		Mr Paulson
		2	1:00-1:50	M	W	EL 120		Mr Paulson
314A-3	Soil Mechanics							311A
	1		1:00-1:50	Tu	Th	EL 120		Mr Glenn
			2:00-4:50		Th	EL 120		Mr Glenn
314B-3								314A
		1	1:00-1:50	Tu	Th	EL 120		Mr Glenn
			2:00-4:50		Th	EL 120		Mr Glenn
314C-3								315B
		1	1:00-1:50	Tu	Th	EL 120		Mr Glenn
			2:00-4:50		Th	EL 120		Mr Glenn
318A-3	Hydraulics							260B, 300A
	1		9:00-9:50	M	W	EL 130		Mr Nigro
	2		1:00-1:50	M	W	EL 130		Mr Nigro
318B-3								318A
		1	9:00-9:50	M	W	EL 130		Mr Nigro
			10:00-11:50		W	EL 130		Mr Nigro
320A-3	Mechanical Engineering Laboratory							300A
	1		1:00-1:50	M		EL 130		Mr Dunning
			2:00-4:50	M	F	EL 130		Mr Dunning
320B-3								320A
		1	1:00-1:50	M		EL 130		Mr Dunning
			2:00-4:50	M	F	EL 130		Mr Dunning
320C-3								320B
		1	1:00-1:50	M		EL 130		Mr Dunning
			2:00-4:50	M	F	EL 130		Mr Dunning
322A-3	Internal Combustion Engines							300B
	1		5:45-7:00 P.M.	M	W	EL 130		Mr Dunning
322B-3								322A
		1	5:45-7:00 P.M.	M	W	EL 130		Mr Dunning
326A-3	Advanced Descriptive Geometry and Photogrammetry							263B
	1		9:00-9:50	M	W	EL 120		Mr Moeller
			1:00-3:50		F	EL 120		Mr Moeller

Course No. & Hours — Descriptive Title				Prerequisite	
Fall	Winter	Spring	Time	Days	Instructor
				Bldg & Room	
326B-3					326A
	1		9:00-9:50	M W	EL 120 Mr Moeller
			1:00-3:50	F	EL 120 Mr Moeller
326C-3					326B
	1		9:00-9:50	M W	EL 120 Mr Moeller
			1:00-3:50	F	EL 120 Mr Moeller
332A-3	Electrical Machinery				204C
	1		1:00-1:50	M W	EL 110 Mr White
			1:00-3:50	F	EL 110 Mr White
332B-3					332A
	1		1:00-1:50	M W	EL 110 Mr White
			1:00-3:50	F	EL 110 Mr White
332C-3					332B
	1		1:00-1:50	M W	EL 110 Mr White
			1:00-3:50	F	EL 110 Mr White
336A-3	Electrical Measurements				204
	1		10:00-10:50	Tu Th	EL 110 Mr Johnson
			10:00-12:50	F	EL 110 Mr Johnson
336B-3					204
	1		10:00-10:50	Tu Th	EL 110 Mr Johnson
			10:00-12:50	F	EL 110 Mr Johnson
337A-3	Industrial Electronics and Communications				204C
	1		1:00-1:50	Tu Th	EL 110 Mr Crosby
			2:00-4:50	Tu	EL 110 Mr Crosby
337B-3					337A
	1		1:00-1:50	Tu Th	EL 110 Mr Crosby
			2:00-4:50	Tu	EL 110 Mr Crosby
337C-3					337B
	1		1:00-1:50	Tu Th	EL 110 Mr Crosby
			2:00-4:50	Tu	EL 110 Mr Crosby
338A-4	Electrical Instrumentation				204C, 318B
	1		9:00-9:50	Tu Th S	EL 120 Mr Crosby
			1:00-3:50	W	EL 120 Mr Crosby
338B-4					338A
	1		9:00-9:50	Tu Th S	EL 120 Mr Crosby
			1:00-3:50	W	EL 120 Mr Crosby
338C-4					338B
	1		9:00-9:50	Tu Th S	EL 120 Mr Crosby
			1:00-3:50	W	EL 120 Mr Crosby
340-4	Mechanisms				260C
	1		9:00-9:50	Tu Th S	T27 R114 staff
			1:00-3:50	W	T27 R114 staff
342A-3	Engineering Technology Design				204C, 300B, 311C
	1		8:00-8:50	Tu Th S	T26 R110 Mr Glenn
342B-3					342A
	1		8:00-8:50	Tu Th S	T26 R110 Mr Glenn
342C-3					342B
	1		8:00-8:50	Tu Th S	T26 R110 Mr Glenn
347A-3	Foundation Engineering				314B
	1		9:00-9:50	Tu Th S	EL 120 Mr Glenn
347B-3					347A
	1		9:00-9:50	Tu Th S	EL 120 Mr Glenn
347C-3					347B
	1		9:00-9:50	Tu Th S	EL 120 Mr Glenn
361-4 ¹	Engineering Economics				
	1	1	10:00-10:50	MTuWTh	AG 146 Mr Howe
	2	2	12:00-12:50	MTuWTh	AG 148 Mr Howe

108 ENGINEERING TECHNOLOGY (E T)

Course No. & Hours		Descriptive Title		Days			Bldg & Room		Prerequisite
Fall	Winter	Spring	Time						Instructor
364A-3	Surveying and Highway Design								263C, 314A
1			8:00-8:50	M	W	F	EL 120		Mr Moeller
364B-3									263C, 314A
	1		8:00-8:50	M	W	F	EL 120		Mr Moeller
364C-3									263C, 314A
		1	8:00-8:50	M	W	F	EL 120		Mr Moeller

¹ Cross-listed with Engineering

ENGLISH (ENG)

100-0 English Composition: Grammar and Usage (See General Studies Area D for schedule) . .

105-3 English as a Foreign Language

1	1	1	9:00-9:50	M			Wham 201	staff
			9:00-9:50		Tu	Th	HEc 106	staff
			9:00-9:50			W	Wham 312	staff
			9:00-9:50			F	Wham 317	staff

300-4 Principles of Grammar

1	1	1	8:00-8:50	MTu	ThF		HEc 102	staff
2	2	2	10:00-10:50	MTu	ThF		HEc 102	staff
3	3	3	4:00-4:50	MTu	ThF		HEc 102	staff
4	4	4	7:35-9:15 P.M.	M	W		HEc 102	staff

302A-4 English Literature (to 1550)

1			9:00-9:50	MTu	ThF		HEc 102	staff
2			11:00-11:50	MTu	ThF		HEc 102	staff
3			12:00-12:50	MTu	ThF		HEc 102	staff
4			3:00-3:50	MTu	ThF		HEc 102	staff
5			5:45-7:25 P.M.	M	W		HEc 102	staff

302B-4 English Literature (1550-1750)

	1		9:00-9:50	MTu	ThF		HEc 102	staff
	2		10:00-10:50	M	WThF		HEc 118	staff
	3		11:00-11:50	MTu	ThF		HEc 102	staff
	4		12:00-12:50	MTu	ThF		HEc 102	staff
	5		2:00-2:50	M			Wham 112	staff
			2:00-2:50		Tu	ThF	Wham 210	staff
	6		3:00-3:50	MTu	ThF		HEc 102	staff
	7		4:00-4:50	MTu	ThF		HEc 202	staff
	8		5:45-7:25 P.M.	M	W		HEc 102	staff

302C-4 English Literature (after 1750)

	1		9:00-9:50	MTu	ThF		HEc 102	staff
	2		11:00-11:50	MTu	ThF		HEc 102	staff
	3		12:00-12:50	MTu	ThF		HEc 102	staff
	4		1:00-1:50	MTu	ThF		HEc 202	staff
	5		3:00-3:50	MTu	ThF		HEc 102	staff
	6		5:45-7:25 P.M.	M	W		HEc 102	staff

309A-4 American Literature (to 1860)

1	1	1	9:00-9:50	MTu	ThF		HEc 202	staff
2	2	2	1:00-1:50	MTu	ThF		HEc 102	staff
3			7:35-9:15 P.M.		Tu	Th	HEc 102	staff

309B-4 American Literature (since 1860)

1	1	1	2:00-2:50	MTu	ThF		HEc 102	staff
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390-3 Advanced Composition

1	1	1	8:00-8:50	M	W	F	HEc 202	staff
2	2	2	10:00-10:50	M	W	F	HEc 202	staff
3	3	3	12:00-12:50	M	W	F	HEc 202	staff
4	4	4	2:00-2:50	M	W	F	HEc 202	staff
5	5	5	3:00-3:50	M	W	F	HEc 202	staff
6	6	6	6:00-7:25 P.M.	M	W		HEc 202	staff

391-3 Usage in English

1	1	1	8:00-8:50		Tu	Th	S	HEc 202	staff
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Course No.	Hours	Descriptive Title	Days	Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring	Time		
2	2	2	11:00-11:50	M W F	HEc 202 staff
3	3	3	1:00-1:50	Tu Th	Wham 328 staff
			1:00-1:50	F	Wham 327 staff
4	4	4	3:00-3:50	M W F	Wham 305 staff
5	5	5	4:00-4:50	M W F	M 203 staff
6	6	6	7:35-9:00 P.M.	Tu Th	HEc 104 staff
392-3	Professional Writing I				
T1			4:00-4:50	M W F	HEc 118 staff
400-4	Introduction to English Linguistics				
1			10:00-10:50	MTu ThF	HEc 104 Mr Cook
403-4	History of the English Language				
1			7:35-9:15 P.M.	M W	HEc 104 Mrs Krappe
404A-4	Medieval Literature (Contemporaries and Successors of Chaucer)				
1			8:00-8:50	MTu ThF	HEc 104 Mrs Krappe
404b-4	Medieval Literature (Chaucer)				
1			4:00-4:50	MTu ThF	HEc 104 Mrs Krappe
412a-4	English Nondramatic Literature (16th Century)				
1			11:00-11:50	MTu ThF	HEc 104 Mr Staton
412b-4	English Nondramatic Literature (17th Century)				
1			12:00-12:50	MTu ThF	HEc 104 Mr Simeone
412c-4	English Nondramatic Literature (18th Century)				
1			1:00-1:50	MTu ThF	HEc 104 Mr Coleman
420a-4	American Poetry (To 1900)				
1			3:00-3:50	MTu ThF	HEc 104 Mr Faner
420b-4	American Poetry (Modern)				
1			10:00-10:50	MTu ThF	HEc 104 Mr Faner
421a-4	English Poetry (Early Romantics)				
1			2:00-2:50	MTu ThF	HEc 104 Mr Camp
421b-4	English Poetry (Later Romantics)				
1			9:00-9:50	MTu ThF	HEc 104 Mr Benziger
421c-4	English Poetry (Victorian)				
1			10:00-10:50	MTu Th	M 203 Mr Schneider
			10:00-10:50	F	M 210 Mr Schneider
421d-4	English Poetry (Modern)				
1			9:00-9:50	MTu ThF	HEc 104 Mr Benziger
431a-4	Major American Writers (1620-1800)				
1			4:00-4:50	MTu ThF	HEc 104 Mr Stibitz
431b-4	Major American Writers (1800-1865)				
1			11:00-11:50	MTu ThF	HEc 104 Mr Pickett
431c-4	Major American Writers (1865-1915)				
1			10:00-10:50	MTu ThF	HEc 104 Mr Pickett
438-4	Intellectual Backgrounds of American Literature				
1			5:45-7:25 P.M.	M W	HEc 104 Mr Stibitz
441-4	Eighteenth Century Essay				
1			12:00-12:50	MTu ThF	HEc 104 Mr Coleman
443-4	Victorian Prose				
1			12:00-12:50	MTu ThF	HEc 104 Mr Partlow
447-4	American Humor and Satire				
1			9:00-9:50	MTu ThF	HEc 104 Mr Webb
454a-4	English Fiction (18 Century Novel)				
1			1:00-1:50	MTu ThF	HEc 104 Mr Coleman
454b-4	English Fiction (Victorian Novel)				
1			1:00-1:50	MTu ThF	HEc 104 Mr Partlow
454c-4	English Fiction (Contemporary British)				
1			7:35-9:15 P.M.	M W	HEc 104 Mr Boyle
456-4	Contemporary Continental Fiction				
T1			5:45-7:25 P.M.	M W	HEc 104 staff
458a-4	American Fiction (American Novel)				
1			7:35-9:15 P.M.	M W	HEc 104 Mr Webb

110 ENGLISH (ENG)

Course No. & Hours			Descriptive Title		Days		Bldg & Room		Prerequisite Instructor
Fall	Winter	Spring	Time						
460a-4	English Drama (Elizabethan)								
1			4:00-4:50		MTu	ThF	HEc 202		Mr Harris
460b-4	English Drama (Jacobean)								
1			2:00-2:50		MTu	ThF	HEc 104		Mr Harris
460c-4	English Drama (Restoration and 18th Century)								
1			2:00-2:50		MTu	ThF	HEc 104		Mrs Winn
460d-4	English Drama (Modern)								
1			3:00-4:50		M	F	HEc 104		Mr Moore
471a-4	Shakespeare								
1			8:00-8:50		MTu	ThF	HEc 104		Mr Baldwin
471b-4	Shakespeare								
1			8:00-8:50		MTu	ThF	HEc 104		Mr Baldwin
485-4	Problems in Teaching High School English								
1			1:00-1:50		MTu	ThF	HEc 202		staff
	1		5:45-7:25 P.M.		M	W	HEc 104		staff
		1	11:00-11:50		MTu	ThF	HEc 104		staff
492a-4	Professional Writing								
T1			3:00-4:50		Tu	Th	HEc 104		staff
492b-4									
	T1		3:00-3:50		MTu	ThF	HEc 104		staff
495b-4	Literary Criticism (Modern)								
	T1		5:45-7:25 P.M.		Tu	Th	M 203		staff
499-2 to 4	Readings in English								
1	1	1	To be arranged						staff
500-2	Materials and Methods of Research in English								
1			2:00-2:50		M	W	Wham 312		Mr Staton
T2			2:00-2:50		Tu	Th	Wham 312		Mr Staton
	1		9:00-9:50		Tu	Th	Wham 312		Mr Staton
501-4	Old English Grammar								
1			9:00-9:50		MTu	ThF	Wham 312		Mr Rainbow
502-4	Beowulf								501
1			8:00-8:50		MTu	ThF	Wham 312		Mr Rainbow
503-4	Studies in Linguistics								
1			12:00-12:50		MTu	ThF	Wham 312		Mr Cook
509-4	Studies in Middle English Literature: Dialectal Morphology and Phonology								
1			8:00-8:50		MTu	ThF	Wham 312		Mr Rainbow
511-4	Studies in Renaissance: 16th Century Sonnet								
1			10:00-10:50		MTu	ThF	Wham 312		Mr Staton
513-4	Studies in 17th Century English Literature: Francis Bacon & Thomas Browne								
1			10:00-10:50		MTu	ThF	Wham 312		Mr Simeone
514-4	Studies in Restoration and 18th Century Literature								
T1	T1		11:00-11:50		MTu	ThF	Wham 312		staff
519-4	Studies in Modern Literature: D. H. Lawrence and His Times								
1			3:00-4:50		M	F	Wham 312		Mr Moore
519-4	Studies in Modern Literature: Post World War II English Novel								
1			3:00-4:50		Tu	Th	Wham 312		Mr Harkness
520-4	Studies in Romantic Writers								
1			10:00-10:50		MTu	ThF	Wham 312		Mr Benziger
521-4	Studies on Victorian Poetry								
1			9:00-9:50		MTu	ThF	Wham 312		Mr Schneider
524-4	Studies in Metaphysical Poets: Donne, Herbert, Marvel								
1			1:00-1:50		MTu	ThF	Wham 312		Mr Simeone
532-4	Studies in American Transcendentalism: Comparative Study of Emerson and Thoreau								
1			12:00-12:50		MTu	ThF	Wham 312		Mr Stibitz
534-4	Studies in Early 19th Century American Writers: Hawthorne								
1			2:00-2:50		MTu	ThF	Wham 312		Mr Stibitz
536-4	Studies in Later 19th Century American Writers: Mark Twain								
1			1:00-1:50		MTu	ThF	Wham 312		Mr Webb

Course No.	& Hours	— Descriptive Title		Days		Bldg & Room		Prerequisite
Fall	Winter	Spring	Time					Instructor
537-4	Studies in 20th Century American Writers: Robert Frost							
	1	3:00-4:50	M W	Wham 312	Mr Faner			
538-4	Problems in American Literature: 20th Century American Literary Criticism							
1		11:00-11:50	MTu ThF	Wham 312	Mr Pickett			
555-4	Studies in Victorian Novel: Novels of the 1840's							
	1	2:00-2:50	MTu ThF	Wham 312	Mr Partlow			
560-4	Studies in Renaissance Drama: Evolution of Popular Theater in England, 1485-1603 ..							
	1	3:00-3:50	MTu ThF	Wham 312	Mr Harris			
566-4	Studies in Shakespeare							
1		8:00-8:50	MTu ThF	Wham 312	Mr Baldwin			
580-4	Traditional Themes							
	1	5:45-7:25 P.M.	Tu Th	Wham 312	Mr Simeone			
585-2	Teaching College Composition							
	1	12:00-12:50	M W	Wham 312	Mr Lingle			
	T1	9:00-9:50	M W	HEc 306	Mr Lingle			
	T2	12:00-12:50	Tu Th	Wham 312	Mr Lingle			
598a-1 to 3	Independent Review of English and American Literature							
1	1	1	To be arranged		staff			
598b-1 to 3	.....						
1	1	1	To be arranged		staff			
598c-1 to 3	.....						
1	1	1	To be arranged		staff			
599-2 to 9	Thesis							
1	1	1	To be arranged		staff			
600-1 to 16	Dissertation							
1	1	1	To be arranged		staff			

FOOD and NUTRITION (F & N)

103-4	Nutrition					Chem 240	
	1	8:00-8:50	MTu	F	HEc 212	Miss Becker	
		8:00-9:50		Th	HEc 212	Miss Becker	
105-4	Foods						
	1	8:00-8:50	M	W	HEc 212	Mrs Crouse	
		8:00-9:50	Tu	Th	HEc 212	Mrs Crouse	
	2	10:00-10:50	M	Th	HEc 206	Mrs Harper	
		10:00-11:50	Tu	F	HEc 212	Mrs Harper	
	3	10:00-10:50	M	Th	HEc 206	Mrs Harper	
		10:00-11:50		W S	HEc 212	Mrs Harper	
	4	3:00-3:50	M	W	HEc 212	Mrs Harper	
		3:00-4:50	Tu	Th	HEc 212	Mrs Harper	
	1	2:00-2:50	M	W	HEc 212	Miss Becker	
		2:00-3:50	Tu	Th	HEc 212	Miss Becker	
206-4	Foods						
	1	10:00-10:50	M	Th	HEc 206	Mrs Harper	
		10:00-11:50	Tu	F	HEc 212	Mrs Harper	
	2	10:00-10:50	M	Th	HEc 206	Mrs Harper	
		10:00-11:50		W S	HEc 212	Mrs Harper	
	3	12:00-12:50	M	W	HEc 212	Miss Becker	
		12:00-1:50	Tu	Th	HEc 212	Miss Becker	
	4	5:45-8:30 P.M.	Tu	Th	HEc 212	Mrs Crouse	
	1	9:00-9:50	M	W	HEc 212	Miss Becker	
		9:00-10:50	Tu	F	HEc 212	Miss Becker	
320-4	Nutrition					Chem 240, 105, 206	
	1	2:00-2:50	M	W	HEc 303	Mr Konishi	
		2:00-3:50	Tu	Th	HEc 214	Mr Konishi	
	2	8:00-8:50	M	W	HEc 303	Mr Konishi	
		8:00-9:50	Tu	Th	HEc 214	Mr Konishi	
	1	1:00-1:50	M	W	HEc 120	Mr Konishi	
		1:00-2:50	Tu	Th	HEc 214	Mr Konishi	

112 FOOD & NUTRITION (F & N)

Course No. & Hours — Descriptive Title				Days		Bldg & Room		Prerequisite Instructor
Fall	Winter	Spring	Time					
321-3	Food Demonstration							105, 206
	1		9:00-11:50	Tu	S	HEc 101		Mrs Crouse
		1	10:00-12:50	M	W	HEc 101		Mrs Crouse
	2	2	2:00-4:50	Tu	Th	HEc 101		Mrs Crouse
335-4	Meal Planning and Table Service						105, 206,	consent of department
	1		12:00-12:50	Tu	Th	HEc 107		Mrs Crouse
			1:00-2:50	Tu	Th	HEc 107		Mrs Crouse
		1	10:00-12:50	M	W	HEc 107		staff
		2	3:00-5:50	Tu	Th	HEc 107		staff
		3	2:00-4:50		W F	HEc 107		staff
352b-4	Quantity Food Production							Consent of department
	1		10:00-10:50	Tu	Th	HEc 107		Miss Becker
			11:00-12:50	Tu	Th	HEc 107		Miss Becker
352c-3								Consent of department
	1		3:00-5:50	M	W	HEc 107		Miss Becker
481-2 to 6	Readings							Consent of department
	1		To be arranged					Mr Konishi
500-4	Research Methods							Consent of department
	1		8:00-8:50	Tu		HEc 118		Mr Konishi
			9:00-11:50	Tu	Th	HEc 118		Mr Konishi
515-1 to 6	Seminar							Consent of department
	1		To be arranged					Mr Konishi
556-4	Advanced Experimental Food							Consent of department
	1		2:00-2:50	W	F	HEc 120		Mrs Harper
			3:00-4:50	W	F	HEc 204		Mrs Harper
572-4	Special Problems							Consent of department
	1	1	To be arranged					Mrs Harper and Mr Konishi
599-1 to 9	Thesis							Consent of department
	1	1	To be arranged					staff

Home Economics Honors Courses (H Ec)

387-2 to 4	Special Problems—Honors							Consent of department
	1	1	To be arranged					staff
388-2 to 4	Research and Investigations—Honors							Consent of department
	1	1	To be arranged					staff

FOREIGN LANGUAGES

Chinese (Chin)

120a-1, 120b-1, 120c-1	Chinese Conversation (See General Studies Area D for schedule)							
201A-5	Intermediate Chinese							GSD 120C
	1		1:00-1:50	MTuWThF		Wh 203		Mrs Yang
201B-5								
	1		1:00-1:50	MTuWThF		Wh 203		Mrs Yang
201C-5								
	1		1:00-1:50	MTuWThF		Wh 203		Mrs Yang

French (Fr)

123a-1, 123b-1, 123c-1	French Conversation (See General Studies Area D for schedule)							
161-0	French for Graduate Students							
	1	1	3:00-3:50	M	WTh	Wh 203		staff
201A-3	Intermediate Composition and Reading						GSD 123C or 2 yrs	H. S.
	1		9:00-9:50	Tu	Th S	M 203		staff
	2		11:00-12:00	M	W F	Wh 214		staff
	3		3:00-3:50	M	W F	Wh 207		staff
	T4		6:00-7:25 P.M.	Tu	Th	Wh 212		staff

Course No. & Hours — Descriptive Title				Days	Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring	Time			
201B-3						
	1		9:00-9:50	Tu Th S	M 203	staff
	2		11:00-11:50	M W F	M 203	staff
	3		3:00-3:50	M W F	Wh 212	staff
	T4		6:00-7:25 P.M.	Tu Th	Wh 212	staff
201C-3						
	1		9:00-9:50	Tu Th S	M 203	staff
	2		11:00-11:50	M W F	Wh 214	staff
	3		3:00-3:50	M W F	Wh 207	staff
	T4		6:00-7:25 P.M.	Tu Th	Wh 212	staff
220-2 French Conversation						
	1		10:00-10:50	W F	Wh 203	staff
	1	1	10:00-10:50	W F	Wh 207	staff
	2	2	10:00-10:50	W F	M 203	staff
	3	3	11:00-11:50	Tu Th	M 306	staff
	T4	T4	11:00-11:50	Tu Th	M 203	staff
311A-3 Survey of French Literature						201C
	1		1:00-1:50	M W F	Wh 207	Miss Peacock
311B-3						
	1		1:00-1:50	M W F	Wh 207	Miss Peacock
311C-3						
	1		1:00-1:50	M W F	Wh 207	Miss Peacock
320A-2 Advanced Conversation						
	1		1:00-1:50	Tu Th	Wh 207	Miss Peacock
320B-2						
	1		1:00-1:50	Tu Th	Wh 207	Miss Peacock
320C-2						
	1		1:00-1:50	Tu Th	Wh 207	Miss Peacock
351B-4 Advanced Composition and Conversation						
	1		3:00-3:50	MTuWTh	Wh 212	Miss Smith
352-5 French Phonetics						
	1		11:00-11:50	MTuWThF	Wh 207	Miss Peacock
400-4 French Literature 1870-1914						
	1		11:00-11:50	MTu ThF	Wh 207	Miss Peacock
500-2 Seminar in French Literature						
	1		10:00-10:50	Tu Th	Wh 207	Miss Peacock
501a-2 Seminar on a Selected French Author: Balzac						
	1		10:00-10:50	Tu Th	Wh 207	Miss Peacock
501b-2 Seminar on a Selected French Author: Baudelaire						
	1		10:00-10:50	M W	Wh 207	Miss Smith
501e-2 Seminar on a Selected French Author: Proust						
	1		10:00-10:50	Tu Th	Wh 207	Miss Peacock
509-4 French Literature, 1800-1850						
	1		11:00-11:50	MTu ThF	Wh 207	Miss Peacock
511-3 20th Century French Drama						
	1		10:00-10:50	M W F	Wh 212	Miss Smith
520-4 Graduate Composition						
	1		10:00-10:50	MTu ThF	Wh 107	Miss Smith
599-2 to 9 Thesis						
	1	1	1	To be arranged		Miss Smith and Miss Peacock

German (Ger)

126a-1, 126b-1, 126c-1 German Conversation (See General Studies Area D for schedule)						
161-0 German for Graduate Students						
	1	1	1	4:00-4:50	MTu Th	Wh 212 staff
201A-3 Intermediate German						
	1			8:00-8:50	M W F	M 203 staff
	2			1:00-1:50	M W F	Wh 212 staff
	T3			6:00-7:25 P.M.	M W	Wh 212 staff

114 FOREIGN LANGUAGES, GERMAN (GER)

Course	No. & Hours			Descriptive Title	Time	Days	Bldg & Room	Prerequisite
	Fall	Winter	Spring					Instructor
201B-3								
		1		8:00-8:50		M W F	M 203	staff
		2		1:00-1:50		M W F	Wh 212	staff
		T3		6:00-7:25 P.M.		M W	Wh 212	staff
201C-3								
			1	8:00-8:50		M W F	M 203	staff
			2	1:00-1:50		M W F	Wh 212	staff
			T3	6:00-7:25 P.M.		M W	Wh 212	staff
220-2	German Conversation							
	1	1	1	1:00-1:50		Tu Th	HEc 128	staff
	2	2	2	1:00-1:50		Tu Th	M 203	staff
301A-4	Survey of German Literature							201C
	1			9:00-9:50		M WThF	Wh 212	staff
301B-4								
		1		9:00-9:50		M WThF	Wh 212	staff
303-4	German Novelle							
		1		9:00-9:50		M WThF	Wh 212	staff
304-5	Advanced Composition and Conversation							
		1		11:00-11:50		MTuWThF	Wh 212	Mr Hartwig
311A-4	Introduction to German Classical Literature							
	1			11:00-11:50		MTu ThF	Wh 212	Mr Hartwig
311B-4								
		1		11:00-11:50		MTu ThF	Wh 212	Mr Hartwig
313-4	German Drama, 19th Century							
		1		11:00-11:50		MTu ThF	HEc 118	Mr French
401A-2	Goethe's Faust							
	1			10:00-10:50		Tu Th	Wh 212	staff
401B-2								
		1		10:00-10:50		Tu Th	Wh 212	staff
403-3	Lyrics and Ballads							
		1		1:00-1:50		M W F	M 203	staff
497-2	18th Century Readings							
	1			2:00-2:50		Tu Th	Wh 203	Mr Hartwig
498-2	19th Century Readings							
		1		2:00-2:50		Tu Th	Wh 203	Mr French
499-2	20th Century Readings							
		1		2:00-2:50		Tu Th	Wh 203	Mr Hartwig
500-2	Seminar-Contemporary Literature							
		1		10:00-10:50		W F	Wh 212	Mr French
509-2	Old High German I							
	1			10:00-10:50		W F	Wh 212	Mr French
510-2	Old High German II							
		1		2:00-2:50		M W	Wh 203	Mr French
511-2 to 9	Thesis							
	1	1	1	To be arranged				Mr Hartwig and Mr French

Greek (Grk)

311A-4	Introduction to Homer							
	1			To be arranged				Miss Barry
311B-4								
		1		To be arranged				Miss Barry
313-4	Greek Tragedy							
		1		To be arranged				Miss Barry

Latin (Ltn)

201A-4	Intermediate Latin							
	1			11:00-11:50		MTu ThF	Wh 203	Miss Barry
201B-4								
		1		11:00-11:50		MTu ThF	Wh 203	Miss Barry

Course No. & Hours — Descriptive Title	Time	Days	Bldg & Room	Prerequisite Instructor
Fall Winter Spring				

201C-4	1	11:00-11:50	MTu ThF	Wh 203	Miss Barry
302-4	Vergil's Eclogues	1	9:00-9:50	TuWThF	Wh 203 Miss Barry
313-4	Letters of Pliny	1	9:00-9:50	TuWThF	Wh 203 Miss Barry
342-4	Advanced Composition	1	9:00-9:50	TuWThF	Wh 203 Miss Barry

Romance Philology (R Ph)

410-4	Romance Philology I	1	1:00-1:50	MTuWTh	Wh 214 Mr Davis
515-3	Readings in Romance	1	11:00-11:50	M W F	Wh 214 Mr Davis

Russian (Russ)

136a-1, 136b-1, 136c-1 Russian Conversation (See General Studies Area D for schedule)					
201A-3	Intermediate Russian	1	9:00-9:50	M W F	M 203 Mr Kupcek
201B-3		1	9:00-9:50	M W F	M 203 Mr Kupcek
201C-3		1	9:00-9:50	M W F	M 203 Mr Kupcek
220-2	Russian Conversation	1 1 1	9:00-9:50	Tu Th	HEc 128 Mr Kupcek
301A-3	The Russian Novel in the 19th Century	1	11:00-11:50	MTuWTh	HEc 128 Mr Kupcek
301B-3		1	11:00-11:50	MTuWTh	HEc 128 Mr Kupcek
452-4	Advanced Composition and Conversation	1	11:00-11:50	MTuWTh	HEc 128 Mr Kupcek
543-2 to 6	Research Problems	1 1 1	To be arranged		Mr Kupcek

Spanish (Span)

140a-1, 140b-1, 140c-1 Spanish Conversation (See General Studies Area D for schedule)					
161-0	Spanish for Graduate Students	1 1 1	8:00-8:50	M WTh	Wh 214 staff
201A-3	Intermediate Spanish	1	8:00-8:50	M WTh	M 102A staff
		2	10:00-10:50	Tu Th S	Wh 214 staff
		3	12:00-12:50	M W F	Wh 214 staff
		T4	4:00-4:50	M W F	Wh 214 staff
201B-3		1	8:00-8:50	M W F	HEc 128 staff
		2	10:00-10:50	Tu Th S	Wh 214 staff
		3	12:00-12:50	M W F	Wh 207 staff
		T4	4:00-4:50	M W F	Wh 214 staff
201C-3		1	8:00-8:50	M W F	HEc 118 staff
		2	10:00-10:50	Tu Th S	Wh 214 staff
		3	12:00-12:50	M W F	Wh 214 staff
		T4	4:00-4:50	M W F	Wh 214 staff
220-2	Spanish Conversation	1 1 1	12:00-12:50	Tu Th	Wh 214 staff
		2 2 2	12:00-12:50	Tu Th	Wh 212 staff
		3 3 3	3:00-3:50	M W	M 203 staff
		T4 T4	3:00-3:50	M W	HEc 118 staff
		T4	3:00-3:50	M W	M 207 staff

116 FOREIGN LANGUAGES, SPANISH (SPAN)

Course No.	Hours			Descriptive Title	Time	Days	Bldg & Room	Prerequisite	Instructor
	Fall	Winter	Spring						
311A-3	Survey of Spanish Literature								201C
1				2:00-2:50		M W F	Wh 214		Mr Davis
2				2:00-2:50		M W F	HEc 120		Mr Artilles
311B-3									
1				2:00-2:50		M W F	Wh 214		Mr Davis
2				2:00-2:50		M W F	Wham 321		Mr Artilles
311C-3									
1				2:00-2:50		M W F	Wh 214		Mr Davis
2				2:00-2:50		M W F	HEc 120		Mr Artilles
320A-2	Advanced Composition and Conversation								
1				11:00-11:50		Tu Th	Wh 214		Mr Carter
2				11:00-11:50		Tu Th	HEc 120		staff
320B-2									
1				11:00-11:50		Tu Th	Wh 214		Mr Artilles
2				11:00-11:50		Tu Th	HEc 120		staff
320C-2									
1				11:00-11:50		Tu Th	Wh 214		Mr Artilles
2				11:00-11:50		Tu Th	HEc 120		staff
415-3	Spanish Phonetics								
1				1:00-1:50		M W F	Wh 214		Mr Davis
422-3	Cont. Spanish American Poetry								
1				9:00-9:50		M W F	HEc 120		Mr Bork
427-3	Spanish American Drama								
1				11:00-11:50		M W F	HEc 120		Mr Baralt
445-4	Cervantis, Don Quixote								
1				9:00-9:50		Tu Th	M 207		Mr Bork
				9:00-9:50		W F	M 206		Mr Bork
500-2	Seminar in Latin-American Literature								
1				To be arranged					staff
501-2	Seminar on a Selected Spanish Author								
1				11:00-11:50		M W	HEc 120		Mr Baralt
506-3	The Renaissance								
1				1:00-1:50		MTu Th	Wh 214		Mr Artilles
520-4	Seminar in Syntax								
1				9:00-9:50		M W F	HEc 128		Mr Carter
				9:00-9:50		Th	Wh 214		
543-2 to 6	Research Problems								
1	1	1	1	To be arranged				Mr Bork, Mr Carter, Mr Davis	
599-2 to 9	Thesis								
1	1	1	1	To be arranged				Mr Bork, Mr Carter, Mr Davis	

FORESTRY (FOR)

104-3	Introduction to Forestry								
1				8:00-8:50		MTu	Ag 214		Mr Hosley
				8:00-9:50		Th	Ag 214		Mr Hosley
1				8:00-8:50		M W	Ag 172		Mr Hosley
				8:00-9:50		F	Ag 172		Mr Hosley
221-2	Hardwood Dendrology								GSA 201a
1				8:00-8:50			Ag 214		Mr Hosley
				2:00-4:50		Tu	Ag 187		Mr Hosley
2				8:00-8:50			Ag 214		Mr Hosley
				2:00-4:50		Th	Ag 187		Mr Hosley
1				10:00-10:50		M	Ag 168		Mr Hosley
				1:00-3:50		Tu	Ag 187		Mr Hosley
T2				10:00-10:50		M	Ag 168		Mr Hosley
				1:00-3:50		Th	Ag 187		Mr Hosley
222-2	Softwood Dendrology								GSA 201a
1				10:00-10:50		Tu	Ag 168	Mr McCormack	
				2:00-4:50		Th	Ag 187	Mr McCormack	

Course No.	No. & Hours — Descriptive Title			Days	Bldg. & Room	Prerequisite Instructor
	Fall	Winter	Spring			
2						
306-3						
320-4						
330-3						
331-2						
332-2						
340-2						
350-3						
360-4						
362-3						
363-4						
364-4						
365-3						
367-3						
368-3						
369-3						
381-1 ⁱ						
375-4						
390-1 to 6						

118 FORESTRY (FOR)

Course No. & Hours — Descriptive Title				Days		Bldg & Room		Prerequisite Instructor
Fall	Winter	Spring	Time					
465-2 to 4	Forestry Field Studies							365
	1		To be arranged					Mr Kurmes
410-3	Forest Management for Wildlife							Zool 463
	1		1:00-1:50	MTu	F	Ag 170		Mr Hosley
470a-4	Economics of Forestry							GSB 211a
	1		10:00-10:50		W	Ag 172		Mr Beazley
			3:00-4:50	M	W	Ag 172		Mr Beazley
470B-4								470A
	1		3:00-4:50	M	W	Ag 116		Mr Beazley
471-4 ²	Land Resource Economics							470a, or Ag 1 350, or Econ 440
	1		3:00-4:50	M	W	Ag 172		Mr Beazley
476-3	Cases in Forest Management							375
	1		11:00-11:50	MTuW		Ag 170		Mr Somberg
520A-1 to 6	Readings in Forestry							
	1	1	To be arranged					staff
520B-1 to 6	Readings in Resource Economics							471
	1	1	To be arranged					staff
575-1 to 6	Research							
	1	1	To be arranged					staff
581-1 to 6	Seminar							
	1	1	To be arranged					staff
599-2 to 9	Thesis							
	1	1	To be arranged					staff

¹ Cross-listed with Agricultural Industries, Animal Industries and Plant Industries

² Cross-listed with Agricultural Industries and Economics

FRESHMAN CONVOCATION (F C)

000-0	Freshman Convocation							
	1	1	10:00-10:50		Th		Aud	
	2	2	1:00-1:50		Th		Aud	

GEOGRAPHY (GEOG)

300-3	World Cultural Geography							
	T1	T1	9:00-9:50	MTu	ThF	Ag 224		staff
302-4	Introduction to Physical Geography							GSB 101a
	1		9:00-9:50	M	WThF	Ag 144		staff
		T1	11:00-11:50	MTu	ThF	Ag 150		staff
304-4	Introduction to Economic Geography							GSB 101a
	1		12:00-12:50	M	WThF	Ag 144		staff
306-4	Introduction to Cultural Geography							GSB 101a
	T1		2:00-2:50	MTu	ThF	Ag 224		staff
		1	9:00-9:50	M	WThF	Ag 144		staff
308-3	Introduction to Geographic Methods							302, 304, 306
		1	12:00-12:50	M	W F	Ag 144		staff
		T1	7:35-9:00 P.M.	M	W	Ag 144		staff
310a-3	Introduction to Cartographic Methods							GSB 101a
		1	3:00-3:50	M	W F	Ag 150		staff
310b-3								310a
		1	3:00-3:50	M	W F	Ag 150		staff
324-4	Restoration and Conservation of Natural Resources							GSB 101a
	1		5:45-7:25 P.M.	M	W	Ag 224		staff
		1	7:35-9:15 P.M.	M	W	Ag 144		staff
343-4	Teaching of Geography							GSB 101a
	1		6:00-7:25 P.M.	M	W	Ag 150		staff
387-2 to 4	Honors in Geography							
	1	1	To be arranged					staff
402a-4	Advanced Physical Geography—I							308 or consent of department
	1		11:00-11:50	MTuW	F	Ag 144		staff

Course No. & Hours		Descriptive Title		Days		Bldg & Room		Prerequisite
Fall	Winter	Spring	Time					Instructor
402b-3								402a or consent of department
	1		11:00-11:50	M	W	F	Ag 144	staff
403a-4	Advanced Physical Geography—II							308 or consent of department
	1		5:45-7:25 P.M.	M	W		Ag 224	staff
403b-3								403a or consent of department
		1	4:00-4:50	M	WTh		Ag 144	staff
404a-4	Advanced Economic Geography—I							308 or consent of department
	1		1:00-1:50	MTuW	F		Ag 150	staff
404b-3								404a or consent of department
		1	1:00-1:50	M	W	F	Ag 150	staff
405a-4	Advanced Economic Geography—II							308 or consent of department
		1	1:00-1:50	MTuW	F		Ag 144	staff
406a-4	Advanced Cultural Geography—I							308 or consent of department
	1		10:00-10:50	MTuW	F		Ag 150	staff
406b-3								406a or consent of department
		1	10:00-10:50	M	W	F	Ag 150	staff
407a-4	Advanced Cultural Geography—II							308 or consent of department
		T1	10:00-10:50	M	WThF		Ag 150	staff
410a-4	Advanced Geographic Techniques							310a, b or consent of department
		1	3:00-3:50	MTuW	F		Ag 150	staff
			2:00-2:50	M	W	F	Ag 150	staff
			2:00-2:50		Th		Ag 144	staff
410b-3								410a or consent of department
		1	2:00-2:50	M	W	F	Ag 150	staff
440-2 to 6	Readings for Majors							308
		1	To be arranged					staff
461a-4	Advanced Regional Geography: Anglo-America							308 or consent of department
		T1	8:00-8:50	M	W	F	Ag 150	staff
			8:00-8:50		Th		Ag 144	staff
461b-3								461a or consent of department
		T1	8:00-8:50	M	W	F	Ag 150	staff
462a-4	Advanced Regional Geography: Europe							308 or consent of department
		T1	4:00-4:50	MTuWTh			Ag 150	staff
462b-3								462a or consent of department
		T1	4:00-4:50	M	WTh		Ag 150	staff
463a-4	Advanced Regional Geography: Mediterranean Lands and Southwest Asia							308
								or consent of department
		T1	8:00-8:50	M	W	F	Ag 150	staff
			8:00-8:50		Th		Ag 144	staff
463b-3								463a or consent of department
		T1	8:00-8:50	M	W	F	Ag 150	staff
464a-4	Advanced Regional Geography: Soviet World							308 or consent of department
		T1	4:00-4:50	MTuWTh			Ag 150	staff
464b-3								464a or consent of department
		T1	4:00-4:50	M	WTh		Ag 150	staff
465a-4	Advanced Regional Geography: Subsaharan Africa							308 or consent of department
								department
		T1	3:00-3:50	M	WThF		Ag 144	staff
465b-3								465a or consent of department
		T1	3:00-3:50	M	W	F	Ag 144	staff
467a-4	Advanced Regional Geography: Latin America							308 or consent of department
		T1	3:00-3:50	M	WThF		Ag 144	staff
467b-3								467a or consent of department
		T1	3:00-3:50	M	W	F	Ag 144	staff
470a-4	Urban Planning							308 or consent of department
		T1	9:00-12:00		S		Ag 144	staff
471a-3	Regional Planning							308 or consent of department
		T1	9:00-12:00		S		Ag 144	staff

120 GEOGRAPHY (GEOG)

Course No. & Hours		Descriptive Title		Days		Bldg. & Room		Prerequisite
Fall	Winter	Spring	Time					Instructor
490a-2	Tutorial in Geography							Geog. major
1			To be arranged					staff
490b-2								Senior standing
	1		To be arranged					staff
490c-2								Senior standing
	1		To be arranged					staff
500-4	Geographic Techniques I							Consent of department
1			7:35-9:15 P.M.	M	W	Ag	150	staff
501-4	Geographic Techniques II							501
	1		7:35-9:15 P.M.	M	W	Ag	150	staff
514-2	Teaching of College Geography							Consent of department
1	1	1	To be arranged					staff
520-4	Seminar: Physical Geography							Consent of department
	T1		8:00-9:50	Tu	Th	Ag	150	staff
		T1	3:00-4:50	Tu	Th	Ag	150	staff
521-4	Seminar: Economic Geography							Consent of department
1	1	1	8:00-9:50	Tu	Th	Ag	150	staff
522-4	Seminar: Regional Geography							Consent of department
	1		2:00-3:50	M	Th	Ag	150	staff
		1	1:00-2:50	Tu	Th	Ag	150	staff
524-4	Seminar: Cultural Geography							Consent of department
		1	11:00-12:50	M	Th	Ag	150	staff
527-4	Seminar: Urban and Regional Planning							Consent of department
	T1	T1	8:00-9:50	Tu	Th	Ag	150	staff
530-2 to 4	Independent Study in Geography							Consent of department
	1		10:00-10:50		Th	Ag	150	staff
		1	To be arranged			Ag	150	staff
			7:35-9:15 P.M.		W	Ag	150	staff
599-3 to 6	Thesis							Consent of department
	1	1	To be arranged					staff

GEOLOGY (GEOL)

220-5	Physical Geology							
	1 ¹		11:00-11:50	MTu	ThF	Ag	216	Mr Miller
			11:00-12:50		W	Ag	171	Mr Miller
	2		11:00-11:50	MTu	ThF	Ag	216	Mr Miller
			12:00-1:50		Th	Ag	171	Mr Miller
	3		11:00-11:50	MTu	ThF	Ag	216	Mr Miller
			9:00-10:50	Tu		Ag	171	Mr Miller
		1	11:00-11:50	MTuW	F	Ag	172	Mr Miller
			11:00-12:50		Th	Ag	171	Mr Miller
		2	11:00-11:50	MTuW	F	Ag	172	Mr Miller
			12:00-1:50		W	Ag	171	Mr Miller
221-5	Historical Geology							
	1		9:00-9:50	MTuW	F	Ag	170	Mr Nicol
			8:00-9:50		Th	Ag	170	Mr Nicol
302-4	Structural Geology							220
		1	8:00-8:50	MTu	Th	Ag	180	Mr Amos
			8:00-9:50		F	Ag	180	Mr Amos
310-4	Mineralogy (Crystallography)							220
	1		12:00-2:50	Tu	Th	T	107	Mr Bloss
311-4	Determinative Mineralogy (non-silicate)							310
	1		12:00-2:50		W F	Ag	167	Mr Bloss
312-4	Determinative Mineralogy (silicates)							310
		1	12:00-2:50	M	Th	Ag	167	Mr Bloss
315-4	Petrology							220
		1	12:00-12:50	MTu	F	Ag	180	Mr Amos
			12:00-1:50		Th	Ag	180	Mr Amos

Course No. & Hours	Descriptive Title	Time	Days	Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring			
320-4	Economic Geology				
1	11:00-11:50	M WTh	Ag 180	staff	
	10:00-11:50	Tu	Ag 180	staff	
405-3	Interpretation Geologic Maps and Air Photos				302, 431
1	9:00-9:50	W	Ag 195	Mr Harris	
	8:00-9:50	Tu F	Ag 195	Mr Harris	
410-4	Stratigraphy and Sedimentation				221
1	11:00-11:50	MTuW	Ag 174	Mr Harris	
	10:00-11:50	F	Ag 174	Mr Harris	
415-4	Optical Mineralogy				311
1	8:00-9:50	TuW F	T 107	Mr Bloss	
416-4	X-ray Crystallography				
1	2:00-4:50	Tu Th	T 107	Mr Bloss	
420a-3	Geology of Petroleum				220
1	1:00-1:50	W F	Ag 174	Mr Bell	
	12:00-1:50	M	Ag 174	Mr Bell	
420b-3					420a
1	1:00-1:50	W F	Ag 174	Mr Bell	
	12:00-1:50	M	Ag 174	Mr Bell	
420c-3					420b
1	1:00-1:50	M F	Ag 174	Mr Bell	
	12:00-1:50	W	Ag 174	Mr Bell	
425a-5	Invertebrate Paleontology				221
1	10:00-10:50	MTu ThF	Ag 170	Mr Nicol	
	10:00-11:50	W	Ag 170	Mr Nicol	
425b-4					425a
1	10:00-10:50	MTu F	Ag 170	Mr Nicol	
	10:00-11:50	Th	Ag 170	Mr Nicol	
425c-4					425b
1	9:00-9:50	MTu Th	Ag 170	Mr Nicol	
	9:00-10:50	W	Ag 170	Mr Nicol	
431-4	Geomorphology				220
1	9:00-9:50	M WTh	Ag 174	Mr Harris	
	9:00-10:50	F	Ag 174	Mr Harris	
440-1 to 4	Independent Study				Advanced standing
1 1 1	8:00-12:00	S	To be arranged	staff	
510a-3	Stratigraphy (Paleozoic)				302, 425a, 425b
1	4:00-4:50	TuW	Ag 170	Mr Miller	
	3:00-4:50	M	Ag 170	Mr Miller	
510b-3	Stratigraphy (Mesozoic)				302, 425b
1	11:00-11:50	Tu Th	H 7	Mr Nicol	
	11:00-12:50	M	H 7	Mr Nicol	
515b-4	Mineral Deposits (Metallics)				302, 310
1	8:00-8:50	MTuW	Ag 180	Mr Amos	
	8:00-9:50	Th	Ag 180	Mr Amos	
520a-4	Advanced Petrology (Igneous)				415
1	2:00-4:50	Tu Th	T 107	Mr Bloss	
520b-4	Advanced Petrology (Metamorphic)				
1	4:00-4:50	M ThF	Ag 180	Mr Amos	
	3:00-4:50	W	Ag 180	Mr Amos	
520c-4	Advanced Petrology (Sedimentary)				310, 415
1	10:00-10:50	MTu Th	T 107	Mr Miller	
	10:00-11:50	W	T 107	Mr Miller	
528-3	Micropaleontology				
1	2:00-2:50	W F	Ag 170	Mr Nicol	
	2:00-3:50	M	Ag 170	Mr Nicol	
540-3	Advanced Studies (Advanced Structural Geology)				
1	11:00-11:50	W F	Ag 180	staff	
	11:00-12:50	Th	Ag 180	staff	

122 GEOLOGY (GEOL)

Course No. & Hours		Descriptive Title		Days		Bldg & Room		Prerequisite
Fall	Winter	Spring	Time					Instructor
540-3 Advanced Studies—Sedimentation								
1			3:00-4:50	M	W	F	Ag 170	Mr Miller
541-1 to 4 Research								
1	1	1	To be arranged					staff
599-1 to 9 Thesis								
1	1	1	To be arranged					staff

¹ Agricultural students only

GOVERNMENT (GOVT)

231-5 American National Government								
1			8:00-8:50	MTuWThF			M 203B	Mr Kellams
	1		8:00-8:50	MTuWThF			M 203B	Mr Frier
	2		9:00-9:50	MTuWThF			M 203B	Mr Frier
	2		11:00-11:50	MTuWThF			HEc 208	Mr Kamarasy
	3		12:00-12:50	MTuWThF			M 201	Mr Kamarasy
1			12:00-12:50	MTuWThF			M 203B	Mr Kamarasy
	3		12:00-12:50	MTuWThF			HEc 208	staff
2			1:00-1:50	MTuWThF			M 203B	Mr Hanson
3			2:00-2:50	MTuWThF			M 203B	Mr Hanson
232-5 State and Local Government								
	1		8:00-8:50	MTuWThF			M 201	Mr Kellams
1			9:00-9:50	M		F	HEc 208	Mr Kellams
			9:00-9:50	TuWTh			HEc 303	Mr Kellams
	1		10:00-10:50	MTuWThF			M 206	Mr Isakoff
2	2		10:00-10:50	MTuWThF			M 207	Miss Ridgeway
	2		12:00-12:50	MTuWThF			M 203B	Mr Roberds
	3		12:00-12:50	MTuWThF			M 201	Mr Roberds
3			1:00-1:50	MTuWThF			M 201	Mr Roberds
	3		3:00-3:50	MTuWThF			M 203B	Miss Ridgeway
243-3 Introduction to American Foreign Policy								
1	1		11:00-11:50	M	W	F	HEc 203	Mr Landecker
		1	2:00-2:50	M	W	F	M 201	Mr Landecker
300-4 American Government								
1			8:00-8:50	MTu	ThF		M 201	Mr Frier
	1		8:00-8:50	MTuWTh			M 102A	Mr Frier
2		1	9:00-9:50	MTu	ThF		M 201	Mr Turner
	2		9:00-9:50	MTu	ThF		M 201	Mr Frier
3			1:00-1:50	MTu	ThF		M 206	Mr Frier
	3		10:00-10:50	MTuW	F		HEc 203	Mr Sappenfield
		2	10:00-10:50	MTu	ThF		M 201	Mr Hanson
	4		1:00-1:50	MTu	ThF		M 201	Mr Jacobini
		3	1:00-1:50	MTu	ThF		M 201	Mr Kamarasy
4			3:00-3:50	MTu	ThF		M 203B	Mr Sappenfield
	4		3:00-3:50	MTu	ThF		M 209	Mr Sappenfield
5			4:00-4:50	MTu	ThF		HEc 203	Mr Sappenfield
	5		4:00-4:50	MTuWTh			M 102	Mr Frier
		5	4:00-4:50	MTu	ThF		M 201	Mr Sappenfield
305-5 Development of American Constitution								
	1		3:00-3:50	MTuWThF			M 201	Mr Nelson
1			4:00-4:50	MTuWThF			M 201	Mr Nelson
315-3 Administration of Justice								
	1		9:00-11:30			S	M 201	Mr Alexander
321-1 to 6 Readings in Government								
1	1	1	To be arranged					Mr Alexander
330-2 Illinois Government								
1	1	1	11:00-11:50	Tu	Th		M 201	Mr Rendleman
340-3 The Legislative Process								
	1		4:00-4:50	M	W	F	M 203B	Mr Kenney

Course No. & Hours	Descriptive Title			Days	Bldg & Room	Prerequisite Instructor
	Fall	Winter	Spring			
360-5	Public Administration					231 or GSB 211b and 211c
1			11:00-11:50	MTuW	HEc 206	Mr Isakoff
			11:00-11:50		F	Wham 327
		1	11:00-11:50	MTu	ThF	M 104
361-3	Problems in Public Administration and Policy Formation					360 or consent of department
	1		9:00-9:50	M	W	F
					M	203B
371-3	Problems in American Foreign Policy					243 or consent of department
	1		12:00-12:50	M	W	F
					M	203B
379-3	Political Parties II					231 or GSB 211b and 211c
	1		11:00-11:50	M	W	F
					M	201
380-3	Political Parties					231 or GSB 211b and 211c
	1		11:00-11:50	M	W	F
					M	203B
398-3	Government and Law					231 or GSB 211b and 211c
	1		9:00-9:50	M	W	F
					M	209
		1	9:00-9:50	MTuW		HEc 208
406-4	The American Chief Executive					231, 232
	1		2:00-2:50	MTu	ThF	M 201
410-3	Labor and Politics					231 or GSB 211b and 211c
	1		8:00-8:50	M	W	F
					M	201
415-3	Political Behavior					231 or 232
	1		9:00-11:30		S	M 203B
420-3	Pressure Groups and Politics					231 or GSB 211b and 211c
1			6:30-9:00 P.M.	Tu		M 201
430-3	Government and National Security					231 or consent of department
	1		11:00-11:50	M	W	F
					M	202
432-3	Government and Natural Resources					231 or consent of department
1			2:00-2:50	M	W	F
					M	201
434-3	Government and Agriculture					231 or GSB 211a and 211b
	1		3:00-3:50	M	W	F
					M	202
435-4	Government and Business					231 or GSB 211a and 211b
	1		11:00-11:50	MTu	ThF	M 202
					M	202
436-3 ¹	Government and Labor					GSB 211a, 211b, 211c
	1		9:00-9:50	M	W	F
					Wham 206	
438-4	Social Welfare Legislation					231 or GSB 211b and 211c
	1		1:00-1:50	MTu	ThF	M 206
					M	206
440-4	Public Personnel Administration					360 or consent of department
	1		12:00-12:50	MTu	ThF	HEc 208
					HEc	208
441-4 ²	Philosophy of Politics					340 or consent of department
	1		3:00-3:50	M	W	F
					HEc	208
452-4	Government and Politics of Sub-Sahara Africa					GSB 390 or consent of department
	1		12:00-12:50	MTu	ThF	M 202
					M	202
453-4	Soviet Russia and the Communist States of East Europe					GSB 390 or consent of department
	1		4:00-4:50	MTu	ThF	HEc 203
					HEc	203
455-4	Major Governments of Western and Central Europe					GSB 390 or consent of department
	1		11:00-11:50	MTu	ThF	M 203B
					M	203B
457a-4	Governments and Politics in the Near and Middle East					GSB 390 or consent of department
	1		9:00-10:50	Tu	Th	M 202
					M	202
457b-4						GSB 390 or consent of department
	1		9:00-10:50	Tu	Th	M 202
					M	202
458-4	Governments and Politics of South-East Asia					GSB 390 or consent of department
	1		9:00-9:50	MTu	ThF	M 203B
					M	203B
460-4	Governments and Politics of South Asia					GSB 390 or consent of department
	1		1:00-2:50	Tu	Th	HEc 201
					HEc	201
461-4	Theory of Public Administration					360 or consent of department
1			10:00-10:50	MTu	ThF	M 201
					M	201

124 GOVERNMENT (GOVT)

Course	No. & Hours	Descriptive Title	Days	Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring	Time		
463-3		Government Social and Economic Policy			GSB 211b and 211c
	1	8:00-8:50	M W F	M 202	Miss Ridgeway
464-3		Regulatory Administration			360 or consent of department
	1	8:00-8:50	M W F	M 207	Mr Hanson
466-3		State Government and Administration			232
	1	9:00-9:50	M W F	M 202	Mr Howards
467-4		Municipal Government and Administration			232
	1	2:00-2:50	MTu ThF	HEc 208	Mr Winter
468-3		County Government in the United States			232
	1	9:00-9:50	M W F	M 202	Mr Howards
470-4 ^a		Urban Planning			Consent of department
	T1	9:00-11:50	S	Ag 144	staff
471-4		The Organization and Planning of American Foreign Policy			243 or 371
	1	10:00-10:50	MTu ThF	M 201	Mr Klingberg
472-4		International Government			303 or consent of department
	1	10:00-10:50	MTuW F	HEc 203	Mr Abbass
475-4		International Law			303 or consent of department
	1	2:00-2:50	MTu ThF	M 203B	Mr Jacobini
478-4		International Politics			303 or consent of department
	1	12:00-1:50	Tu Th	M 202	Mr Landecker
480-4		The Pacific and the Far East			Hist 368 or 303
	1	8:00-8:50	MTu ThF	M 203B	Mr Jacobini
484a-4		History of Political Theories (Ancient and Medieval)			Consent of department
	1	10:00-11:50	Tu Th	M 203B	Mr Morton
484b-4		History of Political Theories (Modern)			Consent of department
	1	10:00-11:50	Tu Th	M 203B	Mr Morton
487-4		American Political Ideas			305 or 385
	1	1:00-1:50	MTu ThF	M 203B	Miss Ridgeway
488a-3		Recent Political Theory			Consent of department
	1	10:00-10:50	M W F	M 203B	Mr Morton
488b-3					Consent of department
	1	10:00-10:50	M W F	M 203B	Mr Morton
488c-3					Consent of department
	1	10:00-10:50	M W F	M 203B	Mr Morton
495a-4		Constitutional Law			231
	1	3:00-3:50	MTu ThF	M 201	Mr Nelson
495b-4					231
	1	3:00-3:50	MTu ThF	M 201	Mr Nelson
497-4		Administrative Law			360
	1	4:00-4:50	MTu ThF	M 202	Mr Winter
498-4		Jurisprudence			231
	1	12:00-12:50	MTuWTh	M 202	Mr Abbass
499-4		Research Methods			
	1	3:00-3:50	MTu ThF	M 202	Mr Kenney
501-4		Seminar: Contemporary Legislation			340 or consent of department
	1	9:00-10:50	Tu Th	M 202	Mr Alexander
502-3		Seminar: American Governmental Problems			Consent of department
	1	2:00-4:30	Th	M 203B	Mr Howards
503-3		Seminar: Pressure Groups			420 or consent of department
	1	10:00-10:50	M W F	M 202	Mr Kenney
505-3		Seminar: Political Parties			380 or consent of department
	1	4:00-4:50	M W F	M 202	Mr Roberds
508-4		Seminar: International Relations			Consent of department
	1	3:00-4:50	Tu Th	M 202	Mr Klingberg
509-3		Seminar: International Organization			472 or consent of department
	1	9:00-11:30	S	M 202	Mr Abbass
510-3		Seminar: State Government			466 or consent of department
	1	2:00-4:30	W	M 202	Mr Howards

Course No. & Hours	Descriptive Title			Days	Bldg & Room	Prerequisite Instructor
	Fall	Winter	Spring			
511-3 Seminar: Local Government					467 or consent of department	
1			9:00-11:30	S	M 202	Mr Winter
513-4 Seminar: Constitutional Law					495 or consent of department	
1			4:00-4:50	MTu ThF	M 202	Mr Nelson
516-3 Seminar: Municipal Administration					467 or consent of department	
1			6:30-9:00 P.M.	M	M 202	Mr Winter
517-3 Seminar: Political Theory					Consent of department	
1			6:30-9:00 P.M.	M	M 202	Mr Morton
521-1 to 12 Readings in Government					Consent of department	
1 1 1			To be arranged			Mr Alexander
525-4 Seminar: International Law					475 or consent of department	
1			2:00-3:50	Tu Th	M 202	Mr Jacobini
530-4 to 12 Internship in Public Affairs					Consent of department	
1 1 1			To be arranged			staff
595-2 to 12 Individual Research					Consent of department	
1 1 1			To be arranged			staff
598-1 Teaching Government					Consent of department	
1			To be arranged			Mr Hardenbergh
599-2 to 9 Thesis					Consent of department	
1 1 1			To be arranged			staff
600-2 to 12 Dissertation					Consent of department	
1 1 1			To be arranged			staff

¹ Cross-listed with Economics² Cross-listed with Philosophy³ Cross-listed with Geography**GUIDANCE (GUID)**

305-4 Educational Psychology						Psyc 201
1 1 1			2:00-2:50	TuWThF	Furr	Mr Kelly
412-4 Mental Hygiene						305
1 1			6:30-9:00 P.M.	M	Wham 308	Mr Phelps
			(Plus 4 extra sessions)			
		1	6:30-9:00 P.M.	M	Wham 308	Mr Skinner
			(Plus 4 extra sessions)			
422a-4 Educational Measurement and Statistics						305
1 1 1			10:00-10:50	M WThF	Wham 105	Mr Dizney
422b-4						422a
1		1	6:30-9:00 P.M.	Tu	LS 133	Mr Fitzpatrick
			(Plus 4 extra sessions)			
422c-4						422b
	1		8:00-10:30	S	Wham 228	Mr Dizney
			(Plus 4 extra sessions)			
442-4 Basic Principles of Guidance						
1 1 1			6:30-9:00 P.M.	W	Wham 308	staff
			(Plus 4 extra sessions)			
481-1 to 6 Seminar (Selected Topic)						
1		1	To be arranged			Mr Viecei
		2	To be arranged		Wham 229	Mr Kelly
501-2 to 6 Special Research Problems						Consent of department
1 1 1			To be arranged			staff
511-4 Educational Implications of Learning Theories						Advanced standing
1			3:00-4:50	Tu Th	Wham 205	Mr Edwards
515-4 Psychological Aspects of Education						Advanced standing
1 1 1			6:30-9:00 P.M.	M	Wham 228	Mr Skinner
520a-4 Educational Statistics and Experimental Design						422b
	1		9:00-11:30	S	Wham 203	Mr Fitzpatrick
520b-4						520a
	1		9:00-11:30	S	Wham 228	Mr Fitzpatrick

126 GUIDANCE (GUID)

Course No. & Hours —		Descriptive Title		Time		Days		Bldg & Room		Prerequisite Instructor	
Fall	Winter	Spring									
525-4	School Behavior Problems and Their Prevention										Advanced standing
	1		6:30-9:00 P.M.	Tu				Wham 203		Mrs Parker	
526-4	Techniques in Individual Guidance										525
	1		6:30-9:00 P.M.	W				Wham 229		Mrs Parker	
536a-4	Individual Measurement and Appraisal (Children)										422c
1	1	1	1:00-2:50	M	W			Wham 229		Mrs Parker	
536b-4	Individual Measurement and Appraisal (Adolescents)										422c
1	1	1	1:00-2:50	Tu	Th			Wham 229		Mrs Parker	
	2		To be arranged							Mr Caracena	
537a-4	Counseling Theory and Practice										Advanced standing
1	1	1	9:00-11:30			S		Wham 229		Mr Meek	
	2		To be arranged					Wham 229		Mr Renzaglia	
537b-4											537a
	1		3:00-4:50	M	W			Wham 229		Mr Meek	
537c-4											537b
	1		To be arranged					Wham 229		Mr Meek	
541-4	Occupational Information and Guidance										442
	1		9:00-11:30			S		Wham 203		Mr Donnelly	
543-4	Guidance Through Groups										442
1	1	1	6:30-9:00 P.M.	Tu				Wham 229		Mr Phelps	
545b-4	Seminar: Learning and Communication										Advanced standing
	1		3:00-4:50	Tu	Th			Wham 231		Mr Kibler	
545d-4	Seminar: Test Development										Advanced standing
	1		1:00-2:50	Tu	Th			Wham 231		Mr Dizney	
545e-4	Seminar: Test Analysis										Advanced standing
1			1:00-2:50	M	W			Wham 231		Mr Dizney	
545g-4	Seminar: Learning and Instruction										511
	1		3:00-4:50	M	W			Wham 231		Mr Edwards	
545h-4	Seminar: Individual Differences										515
	1		3:00-4:50	Tu	Th			Wham 231		Mr Edwards	
545j-4	Seminar: Organization and Administration										Advanced standing
	1		To be arranged					Wham 229		Mr Phelps	
562a-4	Human Development in Education (Child)										Advanced standing
1			6:30-9:00 P.M.		Th			Wham 228		Mr Kelly	
562b-4	Human Development in Education (Adolescent)										562a
	1		6:30-9:00 P.M.		Th			Wham 228		Mr Kelly	
573-2	Selection, Placement, and Follow Up										Advanced standing
	1		To be arranged							Mr Viecli	
575a-1 to 12	Practicum in Counseling										537
1	1	1	To be arranged					Ed 229		Mr Meek	
575a-1 to 12	Practicum in Counseling										537
2	2	2	To be arranged							Mr Renzaglia	
575b-1 to 12	Practicum in Elementary Guidance										537
1	1	1	To be arranged					Ed 229		Mrs Parker	
575c-1 to 12	Practicum in Secondary Guidance										537
1	1	1	To be arranged							Mr Donnelly	
575d-1 to 12	Practicum in Rehabilitation Practices										537
1	1	1	To be arranged							Mr Doleys	
575e-1 to 12	Practicum in College Student Personnel Work										537
1	1	1	3:00-4:50	Tu	Th			Ed 229		staff	
581a-1 to 12	Internship in Counseling										575a
1	1	1	To be arranged							staff	
581b-1 to 12	Internship in Elementary Guidance										575b
1	1	1	To be arranged							staff	
581c-1 to 12	Internship in Secondary Guidance										575c
1	1	1	To be arranged							staff	
581d-1 to 12	Internship in Rehabilitation Work										575a
1	1	1	To be arranged							staff	

Course No. & Hours	Descriptive Title	Days	Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring	Time	
596-2 to 8	Field Study			Consent of department staff
1	1	1	To be arranged	
599-2 to 9	Thesis			Advanced standing staff
1	1	1	To be arranged	
600-3 to 16	Dissertation			Advanced standing staff
1	1	1	To be arranged	

HEALTH EDUCATION (H ED)

205-4	Principles and Foundations of Health Education							
1			9:00-9:50	TuWThF	Arena 121		staff	
	1		1:00-1:50	TuWThF	Arena 121		staff	
		1	2:00-2:50	MTuWTh	Arena 121		staff	
300-3	Communicable Diseases							
1	T1		6:30-9:00 P.M.	W	Arena 121		staff	
302S-4	Driver Education and Training							Illinois Driver's License
1			8:00-8:50	MTu ThF	Stad 101		Mr Aaron	
	1		8:00-8:50	MTu ThF	Arena 123		Mr Aaron	
		1	8:00-8:50	M W	Arena 125		Mr Aaron	
			8:00-8:50	Th	Arena 123		Mr Aaron	
			8:00-8:50	F	Arena 121		Mr Aaron	
310-4	Home Nursing							
	1	1	2:00-3:50	Tu Th	Arena 123		Miss Denny	
311-4	Child Development							
	1		9:00-9:50	TuWThF	Arena 121		C Richardson	
312-4	Emotional Health							
1			2:00-2:50	MTuWTh	Area 121		C Richardson	
313S-4	Introduction to Safety Education							
1			9:00-9:50	M	Arena 121		Mr Bridges	
			9:00-9:50	Tu Th	Arena 125		Mr Bridges	
			9:00-9:50	F	Arena 123		Mr Bridges	
	1		9:00-9:50	M	Arena 121		Mr Bridges	
			9:00-9:50	Tu	Arena 125		Mr Bridges	
			9:00-9:50	Th	Stad 102		Mr Bridges	
			9:00-9:50	F	Arena 123		Mr Bridges	
	1		6:30-9:00 P.M.	M	Arena 123		Mr Bridges	
			(Plus 4 extra sessions)					
323S-4	Methods and Materials in Safety Education							
1	1		1:00-1:50	MTuWTh	Arena 121		Mr Aaron	
325-3	Community Health Problems							
	T1		2:00-2:50	MTu Th	Arena 123		Mr Grissom	
334S-4	First Aid							
1	1	1	10:00-10:50	M WThF	Arena 121		Mr Bridges	
T2		T2	1:00-1:50	M WThF	Arena 123		staff	
	T2		1:00-1:50	M	Arena 121		staff	
			1:00-1:50	Tu ThF	Arena 125		staff	
T3	T3	T3	3:00-3:50	TuWThF	Arena 125		staff	
T4	T4	T4	5:45-7:25 P.M.	M Th	Arena 121		staff	
350-4	Methods and Materials in Elementary School Health Education							
1	1	1	11:00-11:50	TuWThF	Arena 121		J Richardson	
2	2	2	3:00-3:50	MTuWTh	Arena 121		Miss Phillips	
T3	T3	T3	2:00-2:50	MTuWTh	Arena 125		staff	
355-4	Introduction to Public Health							
	T1		4:00-5:40	M W	Arena 121		staff	
356-5	Public Health II							Health science students only
1			To be arranged				Mr C Richardson	
400-4	Health Appraisal of School Children							
	T1		6:30-9:00 P.M.	M	Arena 121		staff	
			(Plus 4 extra sessions)					

128 HEALTH EDUCATION (H ED)

Course No.	Hours —			Descriptive Title	Time	Days	Bldg & Room	Prerequisite Instructor
	Fall	Winter	Spring					
405-3				Methods and Materials in Social Hygiene				
				T1	9:00-9:50	MTuW	Arena 123	Mr Boydston
443S-4				Methods and Materials in Driver Education				302
1	1				6:30-9:00 P.M.	M	Arena 123	Mr Aaron
				(Plus 4 extra sessions)				
460-4				Methods and Materials in Secondary School Health Education				
				T1	10:00-10:50	MTuWTh	Arena 123	Mr Vaughan
		1			9:00-9:50	MTuWTh	Arena 123	Mr Boydston
			1		9:00-9:50	MTuWTh	Arena 121	Mr Vaughan
471-4				Organization and Administration of School Health				
1					6:30-9:00 P.M.	Tu	Arena 121	Mr Vaughan
				(Plus 4 extra sessions)				
475S-3				Traffic Law Enforcement and Planning				
		1			6:30-9:00 P.M.	Tu	Arena 121	Mr Aaron
				(Plus 4 extra sessions)				
488-4				Educational Aspects of Environmental Sanitation				Consent of department
		1			To be arranged			Mr Grissom
489-4				Introduction to Vital Statistics				Consent of department
		1			To be arranged			Mr C Richardson
490-2 to 8				Field Work in School and Community Health				Consent of department
1	1	1			To be arranged			Mr Grissom
500-4				Community Organization for Health Education				Consent of department
1					6:30-9:00 P.M.	W	Arena 123	Mr Grissom
510-4				Construction of the Curriculum in Health Education				Consent of department
		1			9:00-11:30	S	Arena 121	Mr Bridges
515-4				Review of Current Literature in Health Education,				
				Public Health, and Safety Education				Consent of department
		1			To be arranged			Mr Vaughan
520-4 to 6				Special Projects				Consent of department
1	1	1			To be arranged			Mr Boydston
525S-4				Organization, Administration, and Supervision of Safety Education				
				T1	6:30-9:00 P.M.	Tu	M 102	Mr Aaron
530S-4				Problems and Research in Accident Prevention				Consent of department
		1			6:30-9:00 P.M.	Tu	Arena 121	Mr Aaron
				(Plus 4 extra sessions)				
533a-4				Human Conservation				Consent of department
1					6:30-9:00 P.M.	Tu	Arena 123	C Richardson and Mr Grissom
533b-4								Consent of department
		1			6:30-9:00 P.M.	Tu	Arena 123	C Richardson and Mr Grissom
533c-4								Consent of department
		1			6:30-9:00 P.M.	Tu	Arena 123	C Richardson and Mr Grissom
536-4				Professional Preparation in Health Education				Consent of department
				T1	To be arranged			Mr Vaughan
590-4 to 12				Field Internship				Consent of department
		1			To be arranged			Mr Grissom and Mr C Richardson
597-1				Seminar in Health Education				Consent of department
1	1	1			To be arranged			staff
600-3 to 16				Dissertation				Consent of department
1	1	1			To be arranged			staff

HIGHER EDUCATION (HI ED)

402-2				Careers in Higher Education—College Student Personnel				
		1			To be arranged		Wham 229	Mr Hakes

Course No. & Hours		— Descriptive Title		Days	Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring	Time			
410-4	Higher Education in the United States					
1			6:30–9:00 P.M.	Tu	Wham 228	staff
			(Plus 4 extra sessions)			
441-4	Functions and Organization of College Student Personnel					
1			10:00–11:50	W F	Wham 229	staff
477-2	Principles of College Staff Management					
1			8:00–9:50	W	Wham 231	Mr Sappenfield
511-4	History and Philosophy of Higher Education					
1			6:30–9:00 P.M.	Th	Wham 229	Mr Axtelle
513-4	Policy Making and Control of Higher Education					
1			6:30–9:00 P.M.	Th	Wham 231	Mr Hand
521a-2	Seminar in Higher Education: College Teaching					
1			6:30–8:10 P.M.	Th	Wham 231	staff
521b-2	Seminar in Higher Education: Student Values					
1			3:00–4:50	Th	Wham 331	staff
521c-2	Seminar in Higher Education: Housing					
1			8:00–9:50	Th	Wham 229	staff
521e-2	Seminar in Higher Education: Staff Personnel					
1			8:00–9:50	W	Wham 231	Mr Sappenfield
521f-2	Seminar in Higher Education: Finance					
1			7:00–8:50 P.M.	Tu	Wham 231	Mr Hand
521g-2	Seminar in Higher Education: The Junior College					
1			4:00–5:50	W	Wham 331	Mr Samford
521m-2	Seminar in Higher Education: Sociology of Higher Education					
1			To be arranged			staff
521s-2	Seminar in Higher Education: Continuing Education					
1			To be arranged			Mr Bauernfeind
521v-2	Seminar in Higher Education: Academic Administration					
1			To be arranged		Wham 231	staff
521y-2	Seminar in Higher Education: The Technical Institute					
1			6:30–8:20 P.M.	Tu	To be arranged	Mr Simon
522a-1 to 6	Readings in Higher Education: College Teaching					
1	1	1	To be arranged			staff
522b-1 to 6	Readings in Higher Education: College Student Personnel					
1	1	1	To be arranged			staff
522c-1 to 6	Readings in Higher Education: College Administration					
1	1	1	To be arranged			Mr Hand
523a-1 to 12	Internship in Higher Education: College Teaching					
1	1	1	To be arranged			staff
523b-1 to 12	Internship in Higher Education: College Student Personnel					
1	1	1	To be arranged			staff
523c-1 to 12	Internship in Higher Education: College Administration					
1	1	1	To be arranged			Mr Hand
524a-2 to 6	Special Research Problems—College Teaching					
1	1	1	To be arranged			staff
524b-2 to 6	Special Research Problems—College Student Personnel					
1	1	1	To be arranged			staff
524c-2 to 6	Special Research Problems—College Administration					
1	1	1	To be arranged			Mr Hand
546-4	Personnel Work with College Student Groups					
1			10:00–12:00	W F	Wham 229	staff
551-4	Curriculum Design and Development in Higher Education					
1			6:30–9:00 P.M.	W	Wham 231	staff
565-4	The Junior College					
1			9:00–11:30	S	Ed 231	Mr Samford
576-4	Administrative Practices in Higher Education					
1			1:00–2:50	Tu F	Ed 231	Mr Davis

130 HIGHER EDUCATION (HI ED)

Course No. & Hours		Descriptive Title		Days	Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring	Time			
578-4	Financing Higher Education		1 6:30-9:00 P.M.	W	Ed 229	Mr Hand
599-1 to 9	Thesis		1 1 1 To be arranged			staff
600-2 to 12	Dissertation		1 1 1 To be arranged			staff

HISTORY (HIST)

201A-3	History of the United States		1 8:00-8:50	M W F	Wham 105	Mr Adams
			2 12:00-12:50	M W F	Wham 105	Mr Ammon
	1	1	7:35-9:00 P.M.	Tu Th	M 209	Mrs Benziger
201B-3			1 6:00-7:25 P.M.	Tu Th	M 209	Mrs Benziger
			1 8:00-8:50	M W F	Wham 105	Mr Adams
		2	12:00-12:50	M W F	Wham 105	Mr Allen
		1	6:00-7:25 P.M.	Tu Th	M 209	Mr Allen
201C-3			1 7:35-9:00 P.M.	Tu Th	M 207	Mr Strasser
		1	8:00-8:50	M W F	Wham 105	Mr Adams
		2	12:00-12:50	M W F	Wham 105	Mr Allen
		3	7:35-9:00 P.M.	Tu Th	M 209	staff
304A-3	History of the Ancient World: (The Near East)		1 8:00-8:50	MTu Th	M 206	Mr Shelby
304B-3	History of the Ancient World: (Greece)		1 8:00-8:50	MTu Th	M 206	Mr Shelby
304C-3	History of the Ancient World: (Rome)		1 8:00-8:50	MTu Th	M 206	Mr Shelby
308-3	History of Illinois		1 1 1 10:00-10:50	M W F	M 209	Mr Pitkin
311-3	Medieval History		1 3:00-3:50	Tu ThF	M 207	Mr Kelley
312-3	Central Europe in the 19th Century		1 3:00-3:50	MTu Th	M 104	Mr O'Day
322a-4	English History (to 1603)		1 11:00-11:50	MTu ThF	M 206	Mr Cherry
322b-4	English History (1603 to 1815)		1 11:00-11:50	MTu ThF	M 206	Mr Cherry
322c-4	English History (Since 1815)		1 11:00-11:50	MTu ThF	M 206	Mr Cherry
352A-3	History of Latin America (Colonial)		1 1:00-1:50	M W F	M 207	Mr Gardiner
352B-3	History of Latin America (Independent)		T1 1:00-1:50	M W F	M 207	staff
352C-3	History of Latin America (World Affairs)		1 1:00-1:50	M W F	M 207	Mr Gardiner
367A-3	History of the Far East (To 1800)		1 8:00-8:50	M W F	M 209	Mr Kuo
367B-3	History of the Far East (1800-1945)		1 8:00-8:50	Tu ThF	M 209	Mr Kuo
367C-3	History of the Far East (Since 1945)		1 8:00-8:50	Tu ThF	M 209	Mr Kuo
372A-3	History of Russia (To 1905)		1 4:00-4:50	Tu ThF	M 206	Mr O'Day
372B-3	History of Russia (Since 1905)		1 T1 4:00-4:50	Tu ThF	M 206	Mr O'Day
401A-3	History of the South (Old)		1 3:00-3:50	MTu Th	M 209	Mr Ammon

Course No. & Hours		Descriptive Title		Days		Bldg & Room		Prerequisite
Fall	Winter	Spring	Time					Instructor
401B-3	History of the South (New)							
1			3:00-3:50	MTu	Th	M 209		Mr Ammon
405-3	Civil War and Reconstruction							
1			11:00-11:50	M	W F	M 209		Mr Adams
410-2 to 5	Special Readings in History							Consent of department staff
1	1	1	To be arranged					
411A-3	Social and Intellectual History of the United States (To 1830)							
1			11:00-11:50	M	W F	M 209		Mr Adams
411B-3	Social and Intellectual History of the United States (1830-1900)							
1			11:00-11:50	M	W F	M 209		Mr Adams
411C-3	Social and Intellectual History of the United States (Since 1900)							
1			11:00-11:50	M	W F	M 102A		Mr Briggs
415a-3	Early Modern Europe (Renaissance)							GSB 101b
1			2:00-2:50	Tu	ThF	M 206		Mr Kelley
415b-3	Early Modern Europe (Reformation)							GSB 101b
1			2:00-2:50	Tu	ThF	M 206		Mr Kelley
415c-3	Early Modern Europe (1648-1789)							GSB 101b
1			2:00-2:50	Tu	ThF	M 209		Mr Elwitt
417B-3	Advanced English History (Constitutional)							
1			9:00-9:50	M	W F	M 207		Mr Cherry
417C-3	Advanced English History (American Colonialization)							
1			9:00-9:50	M	W F	M 207		Mr Cherry
420-3	French Revolution							
1			2:00-2:50	MTu	Th	M 104		Mr Elwitt
430A-3	Late Modern Europe (1815-1870)							
1			2:00-2:50	M	W F	M 207		Mr Silverman
430B-3	Late Modern Europe (1870-1918)							
1			2:00-2:50	M	W F	M 207		Mr Silverman
430C-3	Late Modern Europe (Since 1918)							
1			2:00-2:50	M	W F	M 207		Mr Silverman
435A-3	Recent History of the United States (1876-1898)							
1			6:30-9:00 P.M.	M		M 209		Mr Pitkin
435B-3	Recent History of the United States (1900-1928)							
1			6:30-9:00 P.M.	M		M 209		Mr Pitkin
435C-3	Recent History of the United States (Since 1928)							
1			6:30-9:00 P.M.	M		M 209		Mr Pitkin
440A-3	History of American Diplomacy (To 1898)							
T1			7:35-9:00 P.M.	M	W	M 207		staff
440B-3	History of American Diplomacy (Since 1898)							
T1			7:35-9:00 P.M.	M	W	M 207		staff
442A-3	History of the West (Colonial)							
1			12:00-12:50	M	W F	M 102A		Mr Briggs
442B-3	History of the West (Trans-Alleghany)							
1			12:00-12:50	M	W F	M 102A		Mr Briggs
442C-3	History of the West (Trans-Mississippi)							
1			12:00-12:50	M	W F	M 102A		Mr Briggs
449-3	Development of Afro-Asian Nationalism							
1			9:00-9:50	Tu	ThF	M 209		Mr Kuo
452-3	Historical Research and Thesis Writing							Hist Major
1			2:00-2:50	MTu	Th	M 209		Mr Allen
	1		8:00-8:50	Tu	ThF	M 207		Mr Cherry
		1	2:00-2:50	M		M 210		Mr Ammon
			2:00-2:50		W F	M 206		Mr Ammon
460a-3	Social and Intellectual History of the Middle Ages (500-1000)							
1			9:00-9:50	MTu	Th	M 207		Mr Shelby
460b-3	Social and Intellectual History of the Middle Ages (1000-1250)							
1			9:00-9:50	MTu	Th	M 206		Mr Shelby
460c-3	Social and Intellectual History of the Middle Ages (1250-1500)							
1			9:00-9:50	MTu	Th	M 209		Mr Shelby

132 HISTORY (HIST)

Course No. & Hours	Descriptive Title	Time	Days	Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring			
470-3	Argentina, Brazil, and Chile				
T1		2:00-2:50	M W	M 206	staff
		2:00-2:50	F	M 209	staff
471a-3	Mexico in the 19th Century				
1		11:00-11:50	Tu ThF	M 207	Mr Gardiner
473-3	The Caribbean in the 20th Century				
T1		9:00-9:50	MTu Th	M 206	staff
500-3 to 9	History Seminar				
1		4:00-4:50	Tu ThF	M 207	Mr Elwitt
	1	2:00-2:50	Tu ThF	M 209	Mr Allen
	1	12:00-12:50	Tu ThF	M 207	Mr Shelby
510-2 to 5	Readings in History				Consent of department staff
1	1	1	To be arranged		
515-3	Current U.S. History and Problems				
1		4:00-4:50	M W F	M 207	Mr Pitkin
516-4	Studies in Contemporary Europe				
1		3:00-4:50	Tu Th	M 207	Mr Silverman
519-5	The Age of Jefferson				
1		3:00-3:50	MTuWThF	M 206	Mr Ammon
T-557-3	New Viewpoints in American History				
T1		1:00-1:50	M W F	HEc 120	Mr Briggs
598A-1	Teaching History in College				
1		10:00-10:50	Th	M 209	Mr Shelby
598B-1					
1		10:00-10:50	Th	M 209	Mr Shelby
598C-1					
1		10:00-10:50	Th	M 209	Mr Shelby
599-1 to 9	Thesis				
1	1	1	To be arranged		staff

HOME and FAMILY (H & F)

227-3	Family Living				GSB 201b
1		8:00-8:50	M W F	HEc 118	Mr Carpenter
T2		1:00-1:50	M W F	HEc 118	Mr Carpenter
	1	9:00-9:50	M W F	HEc 118	Mr Carpenter
	1	1:00-1:50	M W F	HEc 118	Mr Carpenter
237-3 ¹	Child Development				GSB 201c
1		1:00-1:50	Tu Th	HEc 118	staff
	1	10:00-10:50	Tu S	HEc 118	staff
	1	2:00-2:50	Tu Th	HEc 118	staff
	T2	8:00-8:50	Tu Th	HEc 118	staff
300-3	Home Economics for Men				
1	1	2:00-2:50	M W F	HEc 118	staff
T2		10:00-10:50	M W F	HEc 118	staff
	T2	8:00-8:50	M WTh	HEc 206	staff
	1	12:00-12:50	M W F	HEc 118	staff
	T2	9:00-9:50	MTu Th	HEc 118	staff
301-3	Home Arts and Social Usage				
1		9:00-9:50	Tu Th S	HEc 5	staff
	1	3:00-3:50	M W F	HEc 5	staff
	1	2:00-2:50	M W F	HEc 5	staff
324-2	Equipment				
1		12:00-12:50	M	HEc 5	Miss Johnston
		11:00-12:50	W	HEc 5	Miss Johnston
	1	10:00-11:50	W	HEc 5	Miss Johnston
		10:00-10:50	F	HEc 5	Miss Johnston
	2	10:00-11:50	Tu	HEc 5	Miss Johnston
		10:00-10:50	Th	HEc 5	Miss Johnston

Course No.	Hours —			Descriptive Title	Time	Days	Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring						
331-3	Home Management Lectures							
1				10:00-10:50	M	W	F	HEc 5 Miss Johnston
2				11:00-11:50	M	W	F	HEc 5 Miss Johnston
		T1		11:00-11:50	MTu	Th		HEc 5 staff
332-4	Home Management Residence 227, 331 and F&N 335							
1	1	1		To be arranged				Home Mgt. Apt. staff
341-4	Consumer Problems							
			1	1:00-1:50		Tu	WThF	HEc 120 staff
				3:00-3:50		MTu	WTh	HEc 120 staff
345-3 to 4 ²	Child Development Practicum 237							
1	1	1		4:00-4:50		Tu		HEc 116B staff
366-3	Family Development GSB 201a, 201b, 201c; 227 or Soc 241							
			1	7:35-9:00 P.M.		Tu	Th	HEc 118 Mr Carpenter
435-4	Work Simplification in Home Management							
			1	6:30-9:00 P.M.		M		HEc 5 Miss Johnston
				(Plus 4 extra sessions)				
481-2 to 4	Readings Consent of department							
1	1	1		To be arranged				HEc 116F Miss Johnston and Mr Carpenter
556-4	The Pre-School Child							
1				6:30-9:00 P.M.		M		HEc 120 staff
566-4	Interpersonal Relationships Within the Family							
			1	9:00-11:30			S	HEc 118 Mr Carpenter
572-2 to 4	Special Problems Consent of department							
1	1	1		To be arranged				HEc 116F Miss Johnston and Mr Carpenter
599-2 to 8	Thesis Consent of department							
1	1	1		To be arranged				HEc 116F Miss Johnston and Mr Carpenter

¹ Plus 2 consecutive hours to be arranged between 9:00 and 12:00 or 1:00 and 3:30, MTuWThF.

² Plus 3 consecutive hours to be arranged between 9:00 and 12:00 or 1:00 and 4:00, MTuWThF.

¹ Plus 2 consecutive hours to be arranged between 9:00 and 12:00 or 1:00 and 3:30, MTuWThF.

² Plus 3 consecutive hours to be arranged between 9:00 and 12:00 or 1:00 and 4:00, MTuWThF.

Home Economics Honors Courses (H Ec)

387-2 to 4	Special Problems—Honors						
1	1	1		To be arranged		HEc 116F	staff
388-2 to 4	Research and Investigations—Honors						
1	1	1		To be arranged		HEc 116F	staff

HOME ECONOMICS EDUCATION (H E ED)

111-2	Home Economics Orientation						
1				10:00-10:50	Tu F	HEc 120	Miss Keenan
				4:00-4:50	W	HEc 119	Mrs Quigley
2				2:00-2:50	Tu Th	HEc 118	Miss Keenan
				4:00-4:50	W	HEc 119	Mrs Quigley
3 ¹				3:00-3:50	Tu Th	HEc 118	Miss Keenan
				4:00-4:50	W	HEc 119	Mrs Quigley
T4				5:45-7:25 P.M.	Tu	HEc 118	Miss Keenan
				4:00-4:50	W	HEc 119	Mrs Quigley
		1		3:00-3:50	Tu Th	HEc 118	Miss Keenan
				4:00-4:50	W	HEc 118	Mrs Quigley
307-3	Methods of Teaching for Dietetics						
		1		9:00-9:50	M W F	HEc 120	Miss Keenan
309-5	Methods and Philosophy of Teaching Home Economics						
1				9:00-9:50	MTuWThF	HEc 120	Miss Fults
		1		8:00-8:50	MTuWThF	HEc 120	Miss Fults
		T1		8:00-8:50	MTuWThF	HEc 120	Miss Fults
310-3	Evaluation in Homemaking Education						
1	1	1		To be arranged			Mrs Morgan

134 HOME ECONOMICS EDUCATION (H E ED)

Course No.	& Hours	—	Descriptive Title		Days	Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring	Time				
311-2	Homemaking Education for Adults						
1	1	1	To be arranged				Miss Bubnas
313-2 to 4	Special Problems						
1	1	1	To be arranged				Consent of department staff
370-5	History, Development and Principles of Extension Work						
	T1		8:00-8:50		MTuWThF	HEc 118	Mrs Morgan
414-4	Home Economics for Elementary Teachers						
	T1		9:00-11:30		S	HEc 133	staff
415-1	Introduction to Graduate Study						
1			5:45-7:25 P.M.		Tu	HEc 120	Miss Fults
481-2 to 4	Readings						
1	1	1	To be arranged				staff
500-4	Research Methods						
1			6:00-8:30 P.M.		Th	HEc 120	Guid 422a or 422b Miss Fults
505-4	Home Economics in Secondary Schools						
	1		6:00-8:30 P.M.		Tu	HEc 120	staff
506-4	Evaluative Procedures in Home Economics						
	1		6:00-8:30 P.M.		Th	HEc 120	Miss Fults
510-4	Supervision of Home Economics						
1			To be arranged				staff
510A-1 to 4	Practicum in Supervision						
	1	1	To be arranged				staff
515-4	Trends in Home Economics Education						
	1		6:00-8:30 P.M.		Tu	HEc 120	staff
572-2 to 4	Special Problems						
1	1	1	To be arranged				Consent of department staff
573-1	Seminar: Research in Home Economics						
1	1	1	To be arranged				staff
599-2 to 5	Thesis						
1	1	1	To be arranged				staff
600-3 to 15	Dissertation						
1	1	1	To be arranged				staff

¹ Open to sophomores, juniors and seniors only.

Home Economics Honors Courses (H Ec)

387-2 to 4	Special Problems—Honors					
1	1	1	To be arranged			staff
388-2 to 4	Research and Investigations—Honors					
1	1	1	To be arranged			staff

INDUSTRIAL EDUCATION (I ED)

100-2	Orientation in Industrial Education							
1		1:00-1:50	W	F	Ag 172	staff		
217-4 ¹	General Typography							
1	T1	8:00-9:50	MTuWTh		T185	Mr Modlin		
235A-3 ²	Technical Drafting							
1		8:00-9:50	M	W	F	USch 106A	staff	
	1	10:00-11:50	M	W	F	USch 106A	staff	
235B-3 ²							235A	
	1	1	8:00-9:50	M	W	F	USch 106A	staff
300A-4 ²	Plastic Materials and Processes							
1		1:00-2:50	MTu	ThF	T25 R110	Mr Bunten		
300B-4 ²								
	1	6:00-8:50 P.M.	W		T26 R110	staff		
		(Plus 4 extra sessions)						
300C-4 ²							300A	
	1	6:00-8:50 P.M.	W		T25 R110	staff		
		(Plus 4 extra sessions)						

Course No. & Hours		Descriptive Title		Days		Bldg & Room		Prerequisite Instructor
Fall	Winter	Spring	Time					
302-4 Construction Methods for Primary Teachers								
1	1	1	11:00-12:50	MTu	ThF	USch 105		staff
2	2	2	1:00-2:50	MTu	ThF	USch 105		staff
3	3	3	3:00-4:50	MTuWTh		USch 105		staff
303-4 Diversification Crafts for Teachers and Recreation Leaders								
1	1	1	8:00-9:50	MTu	ThF	T26 R110		staff
2	2	2	11:00-12:50	MTu	ThF	T26 R110		staff
3	3	3	3:00-4:50	MTuWTh		USchI 14	Mr Jenkins	
309A-4² Graphic Arts								
1			3:00-4:50	MTuWTh		T25 R110		staff
312A-3² Wood Products and Processes								
1			10:00-11:50	M	W	F	T25 R102	staff
2			10:00-11:50	Tu	Th	S	T25 R102	staff
	1		10:00-11:50	Tu	Th	F	T25 R102	staff
	2		5:45-9:15 P.M.	Tu	Th		T25 R102	staff
		1	8:00-9:50	M	W	F	T25 R102	staff
312B-3² 312A								
1			8:00-9:50	Tu	Th	F	T25 R102	staff
	1		8:00-9:50	Tu	Th	F	T25 R102	Mr Pollock
312c-3² 312b								
		1	3:00-4:50	MTu	Th		T25 R102	Mr Pollock
319-3 Industrial Internship Consent of department								
1	1	1	To be arranged					Mr Bunten
320A-4² Industrial Crafts								
1			1:00-2:50	MTu	ThF	T25 R107	Mr Bunten	
320B-4² 320A								
	1		8:00-9:50	MTu	ThF	T25 R110	Mr Johnson	
322A-3² Machining of Metals								
1	1		8:00-9:50	Tu	Th	S	T25 R109	staff
2			6:00-9:00	M	W		T25 R109	staff
	1		8:00-9:50	M	W	F	T25 R109	staff
322B-3² 322A								
1			8:00-9:50	M	W	F	T25 R109	staff
	1	1	1:00-2:50	M	W	F	T25 R109	staff
322C-3² 322B								
	1	1	3:00-4:50	M	W	F	T25 R109	Mr Schroeder
327a-3² Materials, Processes and Fabrication of Metals								
1			3:00-4:50	Tu	Th	F	T25 R107	Mr Johnson
	1		1:00-2:50	Tu	Th	F	T25 R107	Mr Johnson
		1	10:00-11:50	Tu	Th	S	T25 R107	staff
		2	6:00-9:00 P.M.	Tu	Th		T25 R107	Mr Johnson
327b-3² 327a								
	1		10:00-11:50	M	W	F	T25 R107	staff
343A-3² Electricity—Electronics								
1			1:00-2:50	M	W	F	T25 R106	Mr Harmon
2			6:00-9:00 P.M.	Tu	Th		T25 R106	Mr Harmon
	1		11:00-12:50	Tu	Th	F	T25 R106	Mr Harmon
		1	1:00-2:50	TuWTh			T25 R106	Mr Harmon
343B-3² 343A								
1			3:00-4:50	M	W	F	T25 R106	Mr Harmon
		1	3:00-4:50	M	WTh		T25 R106	Mr Harmon
343c-3² 343b								
	1		3:00-4:50	M	W	F	T25 R106	staff
408-3 Teaching Aids in Technological Education								
	1		6:00-8:50	W			T26 R110	Mr Bunten
430-2 to 6 Special Problems in Industry and Technology Consent of department								
1	1	1	To be arranged					Mr Erickson
435-6 to 12 Manual Arts Internship Consent of department								
1	1	1	To be arranged					Mr Johnson

136 INDUSTRIAL EDUCATION (I ED)

Course No. & Hours		Descriptive Title		Days		Bldg & Room		Prerequisite
Fall	Winter	Spring	Time					Instructor
465a-3 ²		Industrial Safety						
	1	1:00-1:50		M	W	F	Ag 148	Mr Johnson
491A-3		Principles of Industrial Teaching						
	1	5:45-7:25 P.M.		Tu	Th		T26 R110	Mr Bunten
491B-3								
	1	6:00-8:50 P.M.			Th		T26 R110	Mr Gallington
T-492-4		School Shop Planning						
	T1	6:00-8:30 P.M.			W		T26 R110	Mr Pollock
		(Plus 4 extra sessions)						
494-3		Organization and Administration of Industrial Education						
	1	6:00-8:30 P.M.		M			T26 R110	Mr Gallington
495-3		Occupational Analysis						
	1	6:00-8:30 P.M.		M			T26 R110	Mr Gallington
496-3		Selection and Organization of Subject Matter						
	1	6:00-8:50 P.M.		Tu			T26 R110	Mr Gallington
497-3		Teaching of Reading in Technological Education						
	1	6:00-8:50 P.M.		M			T26 R110	Mr Erickson
504-4		History of Industrial and Vocational Education						
	1	6:00-8:50 P.M.		Tu			T26 R110	Mr Johnson
505-4		Administration and Supervision of Industrial Education						
	1	9:00-11:30				S	T26 R110	Mr Gallington
540-4		Research in Technological Education						
	1	9:00-11:30				S	T26 R110	Mr Erickson
541-4 ³		Occupational Information and Guidance						
	1	9:00-11:50				S	Wham 203	staff
570-2 to 6		Special Investigations in Industrial Education						
	1	1	1	To be arranged				Mr Erickson

¹ Cross-listed with Printing and Photography

² Cross-listed with Industrial Technology

³ Cross-listed with Guidance

INDUSTRIAL TECHNOLOGY (I T)

212A-3		Wood Science and Technology						
	1	10:00-10:50		M	W	F	T25 R105	Mr Pollock
212B-3								
	1	3:00-4:50		M	W	F	T25 R105	Mr Pollock
227A-3		Manufacturing Processes						
	1	1:00-2:50		Tu	W	Th	T25 R107	Mr Johnson
235A-3 ¹		Technical Drafting						
	1	8:00-9:50		M	W	F	USch R106	staff
		10:00-11:50		M	W	F	USch R106	staff
235B-3 ¹								235A
	1	1	8:00-9:50	M	W	F	USch R106	staff
300A-4 ¹		Plastic Materials and Processes						
	1	1:00-2:50		M	Tu	Th	F	T25 R110
300B-4 ¹								Mr Bunten
	1	6:00-8:50 P.M.			W		T26 R110	Mr Kraft
		(Plus 4 extra sessions)						
300C-4 ¹								300A
	1	6:00-8:50 P.M.			W		T25 R110	Mr Kraft
		(Plus 4 extra sessions)						
304A-3		Architectural Drafting and Design						235A
	1	3:00-4:50		Tu	Th	F	USch R106A	staff
304B-3								304A
	1	3:00-4:50		Tu	Th	F	USch R106A	Mr Bunten
304C-3								304B
	1	3:00-4:50		Tu	Th	F	USch R106A	Mr Bunten
305A-3		Technical Illustration						235A
	1	8:00-9:50		M	Tu	Th	Ag 195	staff

Course No. & Hours		Descriptive Title		Time		Days		Bldg & Room		Prerequisite
Fall	Winter	Spring	Time							Instructor
305B-3										305A
	1		10:00-11:50			MTu	Th	Ag 195		staff
305C-3										305B
		1	10:00-11:50			MTu	Th	Ag 195		staff
306A-3	Industrial Design									235B
		1	1:00-2:50			M	W F	T27 R114	Mr Pollock	
306B-3										306A
	1		1:00-2:50			M	W F	T27 R114	Mr Pollock	
306C-3										306B
		1	1:00-2:50			M	W F	T27 R114	Mr Pollock	
309A-4	Graphic Arts									
		1	3:00-4:50			MTuWTh		T25 R110		staff
312A-3	Wood Products and Processes									
	1		10:00-11:50			M	W F	T25 R102		staff
	2		10:00-11:50			Tu	Th S	T25 R102		staff
		1	10:00-11:50			Tu	ThF	T25 R102		staff
		2	5:45-9:15 P.M.			Tu	Th	T25 R102		staff
		1	8:00-9:50			M	W F	T25 R102		staff
312B-3										312A
	1		8:00-9:50			Tu	ThF	T25 R102		staff
		1	8:00-9:50			Tu	ThF	T25 R102	Mr Pollock	
312C-3										312B
		1	3:00-4:50			MTu	Th	T25 R102	Mr Pollock	
318A-3	Welding and Foundry Processes									327A
	1		1:00-2:50			Tu	ThF	T25 R107	Mr Schroeder	
318B-3										
	1		6:00-9:00 P.M.			Tu	Th	T25 R107		staff
		1	6:00-9:00 P.M.			M	W	T25 R107		staff
318C-3										
		1	6:00-9:00 P.M.			M	W	T25 R107		staff
320A-4	Industrial Crafts									
		1	1:00-2:50			MTu	ThF	T25 R110	Mr Buntin	
320B-4										
		1	8:00-9:50			MTu	ThF	T25 R110	Mr Johnson	
322A-3	Machining of Metals									
	1		8:00-9:50			Tu	Th S	T25 R109		staff
	2		6:00-9:00 P.M.			M	W	T25 R109		staff
		1	8:00-9:50			M	W F	T25 R109		staff
322B-3										322A
	1		8:00-9:50			M	W F	T25 R109		staff
		1	1:00-2:50			M	W F	T25 R109		staff
322C-3										322B
		1	3:00-4:50			M	W F	T25 R109	Mr Schroeder	
325A-3	Precision Forming & Shaping of Metals									322C
	1		10:00-11:50			M	W F	T25 R109	Mr Schroeder	
325B-3										325A
		1	10:00-11:50			M	W F	T25 R109	Mr Schroeder	
325C-3										325B
		1	10:00-11:50			M	W F	T25 R109	Mr Schroeder	
327a-3	Materials Processes and Fabrication of Metals									
	1		3:00-4:50			Tu	ThF	T25 R107	Mr Johnson	
		1	1:00-2:50			Tu	ThF	T25 R107	Mr Johnson	
		1	10:00-11:50			Tu	Th S	T25 R107		staff
		2	6:00-9:00 P.M.			Tu	Th	T25 R107	Mr Johnson	
327b-3										327a
	1		10:00-11:50			M	W F	T25 R107		staff
342A-3	Protective and Decorative Coverings									312A
		1	3:00-4:50			MTu	Th	T25 R102		staff

138 INDUSTRIAL TECHNOLOGY (I T)

Course No. & Hours			Descriptive Title		Days		Bldg & Room		Prerequisite Instructor
Fall	Winter	Spring		Time					
343A-3¹ Electricity-Electronics									
1				1:00-2:50	M	W	F	T25 R106	Mr Harmon
2				6:00-9:00 P.M.	Tu	Th		T25 R106	Mr Harmon
	1			11:00-12:50	Tu	Th	F	T25 R106	Mr Harmon
		1		1:00-2:50	Tu	W	Th	T25 R106	Mr Harmon
343B-3¹									
1				3:00-4:50	M	W	F	T25 R106	Mr Harmon
		1		10:00-12:00	M	W	F	T25 R106	Mr Harmon
343c-3¹									
	1			3:00-4:50	M	W	F	T25 R106	staff
345A-3 Industrial Electronics									
	1			6:00-9:00 P.M.	Tu	Th		T25 R106	Mr Harmon
345B-3									
		1		3:00-4:50	M	W	Th	T25 R106	Mr Harmon
351A-3 Industrial Tool Design									
1				8:00-9:50	M	W	F	T27 R114	staff
351B-3									
	1			8:00-9:50	M	W	F	T27 R114	staff
351C-3									
		1		8:00-9:50	M	W	F	T27 R114	staff
465a-3¹ Industrial Safety									
	1			1:00-1:50	M	W	F	Ag 148	Mr Johnson

¹ Cross-listed with Industrial Education

INSTRUCTIONAL MATERIALS (I M)

100-2 Use of Books and Libraries									
1				9:00-9:50	M	W		Lib 112	Mr Walker
		1		10:00-10:50		W	F	Wham 327	Mr Evans
201-2 The Instructional Materials Approach to Learning									
1	1	1		10:00-10:50	M	W		Wham 328	Mr Butts
306-4 School Library as Information Center									
	1			9:00-11:30			S	Lib 112	Mr Evans
				(Plus 4 extra sessions)					
		1		9:00-9:50	M	Tu	W	Th	Wham 328
308-4 School Library Technical Processes									
1				9:00-11:30			S	Lib 112	Mr Evans
				(Plus 4 extra sessions)					
		1		2:00-2:50	Tu	W	Th	F	Lib 112
400-2 Library Research Methods									
1		1		10:00-10:50	M	W		Wham 301B	Mr Walker
	1			5:45-7:25 P.M.	Tu			Wham 328	Mr Walker
403-4 School Library Functions and Management									
1				1:00-1:50	M	Tu	W	Th	Lib 112
		1		9:00-9:50	Tu	W	Th	F	Wham 329
405-4 Library Materials for Children									
1		1		8:00-8:50	M	Tu	W	Th	Lib 112
	1			11:00-11:50	M	Tu	W	Th	Lib 112
406-4 Library Materials for Adolescents									
1		1		11:00-11:50	M	Tu	W	Th	Lib 112
	1			8:00-8:50	M	Tu	W	Th	Lib 112
417-4 Audio-Visual Methods in Education									
1	1	1		8:00-8:50	M	Tu	W	Th	Wham 327
2	2	2		9:00-9:50	M	Tu	W	Th	Wham 327
3 ¹	3 ¹	3 ¹		11:00-11:50	M	Tu	W	Th	Wham 327
T4	T4	T4		11:00-11:50	Tu	W	Th	F	Wham 326
5	5	5		1:00-1:50	M	Tu	W	Th	Wham 327
6	6	6		2:00-2:50	M	Tu	W	Th	Wham 327
T7	T7	T7		2:00-2:50	Tu	W	Th	F	Wham 326

Course	No. & Hours	Descriptive Title	Days	Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring	Time		
8	8	8	3:00-3:50	MTuWTh	Wham 327 staff
T9	T9	T9	5:45-7:25 P.M.	M W	Wham 327 Mr Rust
10	10	10	5:45-7:25 P.M.	Tu Th	Wham 327 Mr Evans
T11			7:35-9:00 P.M.	M W	Wham 327 staff
	T11		7:35-9:00 P.M.	Tu Th	Wham 327 staff
		T11	9:00-11:30	S	Wham 327 staff
			(Plus 4 extra sessions)		
420-4	School Library Activities and Practices			306, 308, 403, 405, or 406	
	1		1:00-1:50	MTuWTh	Lib 112 Miss Fletcher
		1	1:00-1:50	MTuWTh	Lib 112 Miss Fletcher
440-2	Photography For Teachers				
	1		9:00-11:30	S	T169 Mr Butts
		1	3:00-4:50	Tu Th	T169 Mr Butts
445-4	Preparation of Teacher-Made Audio-Visual Materials				417
	1	1	3:00-4:50	MTuWTh	Wham 202 Mr Butts
		1	3:00-4:50	MTuWTh	Wham 202 Mr Scholl
457-4	Radio and Television in the Classroom				
	1		3:00-3:50	MTuWTh	Wham 328 Mr Wendt
458-4	Medium of the Motion Picture				417
		1	9:00-11:30	S	Wham 328 Mr Wendt
			(Plus 4 extra sessions)		
470-4	Programming Automated Instruction				
	1		5:45-7:25 P.M.	Tu Th	Wham 331 Mr Rust
510-4	Mass Communications in Education				
	1		9:00-11:30	S	Wham 327 Mr Wendt and Mr Walker
514-4	Reading and Visual Studies				
	1		7:35-9:00 P.M.	Tu Th	Wham 326 Miss Fletcher and Mr Rust
530-4	History of Books and Libraries				
	1		To be arranged	Lib Rare	
				Book Room	Mr Bushee
546-4	Integration of Audio-Visual Materials in the Classroom				417
	1		5:45-7:25 P.M.	Tu Th	Wham 328 Mr Butts
		1	7:35-9:00 P.M.	M W	Wham 328 Mr Butts
548-4	Supervision and Administration of An Audio-Visual Program				417
		1	5:45-7:25 P.M.	Tu Th	Wham 328 Mr Wendt
549-4	Visual Learning				Consent of instructor
	1		9:00-11:30	S	Wham 328 Mr Wendt
560-4	Seminar in Instructional Materials				
		1	7:35-9:00 P.M.	Tu Th	Wham 331 staff
576-2 to 8	Problems in Instructional Materials				
	1	1	To be arranged		staff
599-5 to 9	Thesis				
	1	1	To be arranged		staff

¹ Sections 3 are especially designed for elementary education

JOURNALISM (JRNL)

100-1	Current Events				
	1	1	10:00-10:50	F	Ag 168 Mr Ford
		1	10:00-10:50	F	Ag 172 Mr Ford
101-3	Introduction to Journalism I				
	1	1	8:00-8:50	M W F	Ag 216 Mr Clayton
102-3	Introduction to Journalism II				
		1	8:00-8:50	M W F	Ag 216 Mr Clayton
103-3	The News				
	1	1	12:00-12:50	M W F	Ag 146 Mr Clayton

140 JOURNALISM (JRNL)

Course No.	No. & Hours			Descriptive Title	Time	Days	Bldg & Room	Prerequisite	Instructor
	Fall	Winter	Spring						
201-3	Newswriting and Editing I								103
	1	1	1	9:00-9:50	M		T48		Mr Leiter
				(Laboratory session to be arranged)					
	2	2	2	9:00-9:50	Tu		T48		Mr Leiter
				(Laboratory session to be arranged)					
202-3	Newswriting and Editing II								103
	1	1	1	1:00-1:50	M W		Ag 218		Mr Bedford
				1:00-2:50		F	Ag 218		Mr Bedford
214-3	Typography								
	1	1	1	2:00-4:50	Tu Th		T185		Mr Modlin
260a-4	Fundamentals of Still Photography								
	1	T1	1	11:00-11:50	M W F		T27 104		Mr Craig
				1:00-3:50		W	Ag 142		Mr Craig
	2	T2	2	11:00-11:50	M W F		T27 104		Mr Craig
				1:00-3:50		F	Ag 142		Mr Craig
265a-3	Machine Composition								P & P 217
	1			1:00-4:50	Tu Th		VTI Bldg 2		Mr Evans
265b-3									265a
		T1		1:00-4:50	Tu Th		VTI Bldg 2		Mr Evans
297-3	Introduction to Magazine Journalism								
		1		4:00-4:50	M W F		Ag 146		Mr Ford
303-3	Newswriting and Editing III								202
	1	1	1	To be arranged			T48		Mr Bedford
310-3	Radio Newswriting								
	1			8:00-9:50		W F	T48		Mr Ford
330-3	Editorial Writing								202
	1	1	1	10:00-10:50		W FS	Ag 218		Mr Clayton
340-3	Law of Journalism								202
		1		8:00-8:50	M W F		Ag 174		staff
345-3	History of Journalism								
		1		11:00-11:50	M W F		Ag 154		Mr Ford
346-3	Comparative Journalism								
	1			11:00-11:50	M W F				Mr Ford
350-3	The Community Newspaper								
		1		8:00-8:50	M W F		Ag 218		Mr Rice
351-3	Community Newspaper Management								
	1			9:00-9:50	M W F		Ag 218		Mr Rice
360a-3	Publications Photography								260a
	1			9:00-9:50	Tu Th		T27 104		Mr Horrell
				2:00-4:50	Tu		T27 100		Mr Horrell
360b-3									360a
		1		10:00-10:50	Tu Th		T27 104		Mr Horrell
360c-2 to 6									360a
	1	1	1	9:00-9:50	M W		T27 104		Mr Horrell
370-3	Principles of Advertising								GSB 211a or Econ 205 or 214; JrnI 202
	1		1	9:00-9:50	Tu Th S		Ag 146		Mr Hileman
371-3	Advertising Salesmanship								370
	1		1	3:00-3:50	M W F		Ag 218		Mr Rice
372-5	Advertising Copy, Layout, and Production								370
		1		3:00-4:50	Tu Th		Ag 218		Mr Hileman
				4:00-4:50	M W F		Ag 218		Mr Hileman
373-2	Advertising Media and Markets								370
	1			11:00-11:50	Tu Th		Ag 148		Mr Hileman
374-3	Advertising Policies and Problems								370
		1		9:00-9:50	M W F		Ag 174		Mr Hileman
376-4	Advertising Campaigns								370
		1		4:00-4:50	M W		Ag 218		Mr Hileman
				3:00-4:50	Tu Th		Ag 218		Mr Hileman

Course No. & Hours — Descriptive Title			Days		Bldg & Room		Prerequisite
Fall	Winter	Spring	Time				Instructor
383-3	Newspaper Production Management		1 1 To be arranged				staff
390-3	Advanced Reporting		1 9:00-9:50	Tu Th S	Ag 218		202 Mr Clayton
	1	1	2:00-2:50	Tu Th	Ag 218		Mr Clayton
			9:00-9:50	S	Ag 174		Mr Clayton
391-3	Feature Writing		1 1 1 11:00-11:50	Tu Th S	Ag 218		202 Mr Leiter
393-3	Publicity Methods		1 1 1 8:00-8:50	Tu Th S	Ag 218		staff
396-3	Editorial Production		1 1 1 To be arranged				staff
397-3	Specialized Publications		1 11:00-11:50	M W F	Ag 218		297 Mr Ford
398-3	Magazine Production and Layout		1 11:00-11:50	Tu Th	Ag 166		Mr Ford
			1:00-2:50	Th	Ag 180		Mr Ford
399-1	Senior Seminar		1 12:00-12:50	W	Ag 180		Mr Hardt
	1	1	10:00-10:50	Tu	Ag 150		Mr Hardt
421-4	School Publications		1 9:00-9:50	MTu ThF	Ag 116		Mr Rice
432-3	Communication Agencies and Public Opinion		1 7:00-8:50	M W	Ag 146		Mr Long
433-3	Measurement of Public Opinion		1 9:00-9:50	TuW F	Ag 180		Mr Rucker
		1	9:00-9:50	M W F	Ag 218		Mr Rucker
440-3	Content Analysis		1 9:00-9:50	Tu Th S	Ag 218		Mr Rucker
479-3	Advanced Advertising Principles		1 8:00-9:50	Th	Ag 174		Mr Hileman
494-2	Magazine Article Writing Workshop		1 1 1 7:00-8:50 P.M.	W	Ag 218		Mr Ford
501-4	Literature of Journalism		1 7:00-9:50 P.M.	M	Ag 180		Mr Long
530-2	Seminar in Newspaper Editorial Policies and Press Freedom		1 10:00-10:50	Tu Th	Ag 218		Mr McCoy
532-4	Seminar in Public Opinion and Propaganda		1 7:00-9:50 P.M.	Tu	Ag 150		staff
533-1 to 3	Research Problems in Journalism		1 1 To be arranged				staff
599-1 to 8	Thesis		1 1 1 To be arranged				staff
540-3 ¹	Philosophy of Journalism		1 8:00-9:50	Th	HEc 211		Mr Moore
600-1 to 16	Dissertation		1 1 1 To be arranged				Mr Rucker

¹ Cross-listed with Printing and Photography

² Cross-listed with Philosophy

LABOR INSTITUTE

Students interested in this field should consult Mr. John McDermott, Director, Labor Institute. Offices are located at 911 South Forest.

LATIN AMERICAN INSTITUTE

Students interested in a special program in inter-American studies should consult Mr. A. W. Bork, Director Latin American Institute. Offices are located at 907 South Lewis.

142 MANAGEMENT (MGT)

Course No. & Hours — Descriptive Title Days Bldg & Room Prerequisite
 Fall Winter Spring Time Days Bldg & Room Instructor

MANAGEMENT (MGT)

170-4 Introduction to Business						
1			4:00-4:50	TuWThF	LS 133	Mr Patrick
	1		8:00-8:50	M W FS	Ag 166	Mr Shell
	2		2:00-2:50	MTu ThF	Wham 302	Mr Patrick
		1	12:00-12:50	MTuW F	LS 133	Mr Patrick
271-4 Business Writing						
1			10:00-10:50	Tu Th S	Wham 201	Mr Fohr
			10:00-10:50	W	Wham 110	Mr Fohr
	1		3:00-3:50	M WThF	Wham 110	Mr Fohr
		1	8:00-8:50	M WTh S	Wham 202	Mr Fohr
320-5 Corporation Finance					Acct. 251c, Econ 215	
1			9:00-9:50	MTuWThF	Wham 110	Mr Buboltz
2	1		11:00-11:50	MTuWThF	Wham 110	Mr Buboltz
T3			3:00-3:50	MTuWThF	Wham 110	Mr Abelle
	2		2:00-2:50	MTuWThF	Wham 110	Mr Abelle
		1	12:00-12:50	MTuWThF	Wham 110	Mr Abelle
		T2	10:00-10:50	MTu ThFS	Wham 110	Mr Abelle
323-4 Investments						
	1		12:00-12:50	TuWThF	Wham 202	Mr Buboltz
327-4 General Insurance						
1			10:00-10:50	MTu ThF	Wham 110	Mr Shell
		1	9:00-9:50	MTu ThF	Wham 110	Mr Abelle
328-3 Real Estate						
	1		12:00-12:50	MTu Th	Wham 110	Mr Litka
340-4 Business Organization and Management						
1			12:00-12:50	MTuWTh	Wham 110	Mr Hanline
2			10:00-10:50	TuW FS	Wham 202	Mr Stamberg
T3			3:00-3:50	MTuWTh	Wham 208	Mr Shull
	1		12:00-12:50	TuWThF	Wham 202	Mr Hanline
	2		10:00-10:50	TuWTh S	Wham 110	Mr Hanline
		1	11:00-11:50	TuWThF	Wham 110	Mr Hanline
		2	2:00-2:50	M WThF	Wham 110	Mr Hanline
361-3 Business Report Writing						
1			11:00-11:50	ThFS	Wham 202	Mr Fohr
T2			1:00-1:50	WTh	Wham 112	Mr Fohr
			1:00-1:50	F	Wham 203	Mr Fohr
	1		12:00-12:50	M W F	Wham 201	Mr Fohr
	2		2:00-2:50	ThF	Wham 201	Mr Fohr
			2:00-2:50	Tu	Wham 205	Mr Fohr
		1	11:00-11:50	M W	Wham 202	Mr Fohr
			11:00-11:50	F	Wham 203	Mr Fohr
		T2	1:00-1:50	MTuW	Wham 210	Mr Fohr
364-3 to 14 Small Business Internship I					Small Business Major	
1	1	1	To be arranged			Mr Bedwell
371-4 Business Law I						
1			8:00-8:50	M W FS	Wham 110	Mr Litka
2			11:00-11:50	M WThF	Wham 302	Mr Litka
3			3:00-3:50	M WThF	Wham 308	Mr Litka
4			4:00-4:50	MTu ThF	Wham 110	Mr Kovarsky
T5			2:00-2:50	MTuWTh	Wham 302	Mr Stamberg
	1		8:00-8:50	TuW FS	Wham 302	Mr Stamberg
		1	11:00-11:50	Tu ThFS	Wham 202	Mr Stamberg
		2	2:00-2:50	TuWThF	Wham 302	Mr Kovarsky
372-4 Business Law II						
	1		9:00-9:50	M WTh S	Wham 110	Mr Litka
	2		11:00-11:50	M WThF	Wham 202	Mr Litka
	3		1:00-1:50	MTuW F	Wham 110	Mr Kovarsky

Course No. & Hours	Fall	Winter	Spring	Descriptive Title	Time	Days	Bldg & Room	Prerequisite Instructor
373-4	Business Law III 371							
		1		9:00-9:50	Tu	ThFS	Wham 302	Mr Litka
		2		3:00-3:50	MTu	ThF	Wham 110	Mr Litka
380-4	Production Management 385							
	1			8:00-8:50	MTu	Th S	Wham 202	Mr Stamberg
		1		9:00-9:50	Tu	ThFS	Wham 302	Mr Stamberg
			1	8:00-8:50		WThFS	Wham 110	Mr Stamberg
382-3	Time and Motion Study 320							
	1			11:00-11:50		ThF	Wham 328	Mr Stamberg
				11:00-11:50		S	Wham 302	Mr Stamberg
385-4	Personnel Management 327							
	1			9:00-9:50	MTuW	F	Ag 166	Mr Westberg
		1		9:00-9:50	MTuW	F	Wham 308	Mr Westberg
			1	9:00-9:50	MTuWTh		Ag 214	Mr Westberg
	2			2:00-2:50	TuWThF		Wham 110	Mr Patrick
		2		4:00-4:50	MTuW	F	Wham 110	Mr Patrick
			T2	2:00-2:50	MTuWTh		Wham 202	Mr Patrick
421-4	Management of Business Finance 320							
	1			1:00-1:50	MTuW	F	Wham 202	Mr Kittrell
		1		4:00-4:50	MTuW	F	Wham 302	Mr Abelle
428-4	Life Insurance 327							
	1			1:00-1:50	MTuWTh		Wham 208	Mr Abelle
472-5	Small Business 327							
		1		8:00-8:50	MTuWThF		Wham 210	Mr Bedwell
473-4	Business Enterprises and Public Policy Sr standing							
	1			1:00-1:50	MTu	ThF	Wham 202	Mr Kovarsky
475-4	Budgeting and Systems Acct 320, 251c							
	1			2:00-2:50	MTuWTh		Wham 228	Mr Hong
479-4	Problems in Business and Economics Sr standing							
	1			7:35-9:00 P.M.	Tu	Th	Wham 202	Mr Kittrell
		1		3:00-3:50	MTu	ThF	Wham 308	Mr Kittrell
480-4	Recent Labor Law Development 2 quarters Bus Law or Econ 310 or Govt 395							
	1			12:00-12:50	MTu	ThF	Wham 202	Mr Kovarsky
481-4	Administrative Management 340							
	1			7:35-9:00 P.M.	M	W	Wham 202	Mr Hanline
		1		8:00-8:50	TuW	F	Wham 202	Mr Hanline
	2			2:00-2:50	MTuW		Wham 202	Mr Hanline
		2		10:00-10:50		W F	Wham 302	Mr Shull
				10:00-10:50	M		Wham 202	Mr Shull
		1		9:00-9:50	Tu	F	Wham 112	Mr Hanline
				9:00-9:50		W	Wham 110	Mr Hanline
		2		3:00-3:50	M	Th	Wham 302	Mr Shull
				3:00-3:50		W	Wham 308	Mr Shull
483-4	Advanced Production Management 380							
		1		1:00-1:50	MTuWTh		Ag 116	Mr Stamberg
485-4	Problems in Personnel Management 385							
		1		1:00-1:50	Tu		Wham 205	Mr Patrick
				1:00-1:50		W	Wham 329	Mr Patrick
				1:00-1:50		ThF	Wham 210	Mr Patrick
500-2 to 5	Readings in Business Administration Mr Hong							
	1	1	1	To be arranged				Mr Hong
501-2 to 5	Individual Research Mr Hong							
	1	1	1	To be arranged				Mr Hong
521-4	Financial Policies Mr Abelle							
	1			7:35-9:00 P.M.	Tu	Th	Wham 212	Mr Abelle
527-4	Seminar in Finance Mr Hong							
	1			3:00-3:50	MTuWTh		Wham 212	Mr Hong

144 MANAGEMENT (MGT)

Course No.	No. & Hours	Descriptive Title	Time	Days	Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring				
540-4		History and Theory of Management				
	1		7:35-9:00 P.M.	M W	Wham 137	Mr Shull
573-4		Business and Government				
	1		7:35-9:00 P.M.	M W	Wham 137	Mr Kittrell
576-4		Business Conditions Analysis				
	1		6:00-7:25 P.M.	Tu Th	Wham 137	Mr Kittrell
581-4		Business Policies				
	1		7:35-9:00 P.M.	M W	Wham 137	Mr Shull
594-4		Seminar in Management				
	1		7:35-9:00 P.M.	Tu Th	Wham 212	Mr Hong
595-4		Seminar in Personnel Management				
	1		7:35-9:00 P.M.	Tu Th	Wham 212	Mr Shull
599-2 to 9		Thesis				
	1	1	1	To be arranged		Mr Hong

MARKETING (MKTG)

225-3		Marketing and The Economy			GSB 201c or 211b or equivalent	
	1		10:00-10:50	M WTh	Ag 214	Mr Rosenbarger
	2		1:00-1:50	MTuW	M 213	Mr Prell
	3		1:00-1:50	M ThF	Wham 302	Hindersman
	4		3:00-3:50	M ThF	Wham 302	Hindersman
	1		8:00-8:50	M WTh	Ag 214	Mr Moore
	2		10:00-10:50	MTu Th	Wham 302	Mr Prell
	3		11:00-11:50	Tu ThF	Wham 302	Hindersman
	4		1:00-1:50	M W F	Wham 302	staff
		1	8:00-8:50	WThF	Ag 214	Mr Rosenbarger
		2	11:00-11:50	MTuW	Ag 214	Mr Prell
		3	3:00-3:50	TuW F	Wham 302	staff
		4	4:00-4:50	MTuW	Wham 302	staff
325-4		Marketing and the Firm				225
	T1		9:00-9:50	MTuW F	Ag 214	Mr Moore
	2		2:00-2:50	MTuWTh	Ag 214	Mr Luck
		1	9:00-9:50	M WThF	Ag 214	Mr Moore
		2	11:00-11:50	MTuW F	M 213	Mr Moore
		3	3:00-3:50	MTuWTh	Wham 302	Mr Luck
		4	4:00-4:50	MTuW F	Ag 214	staff
		1	8:00-8:50	MTu ThF	Wham 302	Mr Moore
		2	1:00-1:50	TuWThF	Ag 214	Mr Luck
		3	2:00-2:50	M WThF	M 213	Mr Hindersman
		4	3:00-3:50	M WThF	M 213	Mr Hindersman
331-4		Retailing			325 or concurrent enrollment	
	1		11:00-11:50	ThFS	Ag 166	Mr Moore
			11:00-11:50	W	Ag 214	Mr Moore
332-4		Store Management			331 and Acct 250 or 251c	
333-4		Advertising			325 or concurrent enrollment	
	1		8:00-8:50	TuW FS	Ag 216	Mr Rosenbarger
	1		4:00-4:50	TuWThF	Wham 302	Hindersman
	1		10:00-10:50	MTuW F	M 213	Mr Hindersman
334-4		Credits and Collections			325 and Acct 250 or 251c	
	1		9:00-9:50	MTuW S	M 213	Mr Rosenbarger
		1	9:00-9:50	TuWThF	M 213	Mr Rosenbarger
336-3		Purchasing			325 or concurrent enrollment	
	1		10:00-10:50	Tu FS	Ag 214	Mr Moore
		1	11:00-11:50	M ThF	Wham 302	Mr Moore
337-4		Principles of Salesmanship			325 or consent of instructor	
	1		12:00-12:50	MTuW F	M 206	Mr Prell
		1	12:00-12:50	MTu ThF	Wham 206	Mr Prell
		1	10:00-10:50	MTu ThF	Wham 327	Mr Moore

Course	No. & Hours	Descriptive Title	Days	Bldg & Room	Prerequisite
Fall	Winter	Spring	Time		Instructor
341-4	Transportation			325 or consent of instructor	
1		8:00-8:50	MTu Th S	Wham 302	Rosenbarger
	1	2:00-2:50	M WThF	Ag 214	Mr Rosenbarger
349-3	Wholesaling			325 or concurrent enrollment	
1		12:00-12:50	Tu ThF	M 213	Mr Moore
384-4	Advertising Media Analysis			333	
1		9:00-9:50	TuW FS	M 213	Mr Hindersman
438-4	Sales Management			325 or concurrent enrollment	
T1		3:00-3:50	M WThF	Wham 326	staff
	1	2:00-2:50	MTu ThF	Wham 228	Mr Hoffman
	1	12:00-12:50	MTuWTh	Ag 168	Mr Prell
451-4	Traffic Management			341	
1		1:00-1:50	M WThF	Ag 216	Mr Rosenbarger
463-4	Advertising Management			333 or consent of instructor	
1		5:45-7:25 P.M.	M W	Ag 168	Mr Hindersman
490-4	Marketing Research and Analysis			325 and statistics	
1		5:45-7:25 P.M.	M W	Wham 201	Mr Luck
	1	5:45-7:25 P.M.	Tu Th	Wham 201	Mr Luck
500-2 to 5	Readings in Marketing				
1	1	1	To be arranged		Mr Hindersman
501-2 to 5	Individual Research in Marketing				
1	1		To be arranged		Mr Prell
	1		To be arranged		Mr Hoffman
550-4	Graduate Survey of Marketing				
1		5:45-7:25 P.M.	Tu Th	Wham 317	Mr Hoffman
555-4	Marketing Theory				
1		4:00-4:50	MTuWTh	Ed 301B	Mr Luck
560-4	Marketing Policies				
1		6:00-9:00 P.M.	Tu	Wham 317	Mr Hoffman
575-4	Seminar in Transportation				
1		9:00-12:00	S	Wham 331	Rosenbarger
590-4	Advanced Marketing Research and Analysis				
1		2:00-2:50	MTu	Ag 180	Mr Luck
		2:00-2:50	ThF	Ag 170	Mr Luck
595-3	Seminar in Marketing				
1		9:00-12:00	S	Wham 331	Mr Hoffman
599-2 to 5	Thesis				
1	1	1	To be arranged		Mr Hoffman

MATHEMATICS (MATH)

106-0	Intermediate Algebra (See General Studies Area D for schedule)				
150a-5	Elementary Calculus and Analytic Geometry			GSD 114b, 114c	
1	1	1	9:00-9:50	MTuWThF	M 214 staff
		2	10:00-10:50	MTuWThF	M 214 staff
2	2	3	11:00-11:50	MTuWThF	M 214 staff
		4	12:00-12:50	MTuWThF	M 310 staff
3 ¹	3	5	1:00-1:50	MTuWThF	M 214 staff
		6	2:00-2:50	MTuWThF	M 214 staff
4	4	7	3:00-3:50	MTuWThF	M 214 staff
		8	4:00-4:50	MTuWThF	M 214 staff
5	5	9	6:00-7:25 P.M.	M WTh	M 214 staff
150b-5					150a
1	1		8:00-8:50	MTuWThF	M 306A staff
		1	9:00-9:50	MTuWThF	M 215 staff
2	2		10:00-10:50	MTuWThF	M 214 staff
3	3	2	12:00-12:50	MTuWThF	M 214 staff
T4			2:00-2:50	MTuWThF	M 214 staff
	4	3	3:00-3:50	MTuWThF	M 310 staff

146 MATHEMATICS (MATH)

Course No. & Hours			Descriptive Title		Days		Bldg & Room		Prerequisite
Fall	Winter	Spring	Time						Instructor
150b-5									
	5		4:00-4:50		MTuWThF		M 310		staff
	6		7:35-9:00 P.M.		M WTh		M 214		staff
210-4 Teaching of Elementary Mathematics									
	1	1	8:00-8:50		Tu ThFS		M 310		staff
	2	2	10:00-10:50		M WThF		M 310		staff
	3	3	1:00-1:50		MTuWTh		M 310		staff
220-4 Elementary Statistics									
	1	1	9:00-9:50		TuW FS		M 310		staff
	2	2	11:00-11:50		TuWTh S		M 310		staff
	3	3	2:00-2:50		TuWThF		M 310		staff
		4	4:00-4:50		MTu ThF		M 310		staff
225-4 Programming for Digital Computers									
		1	11:00-11:50		TuWThF		M 306A		staff
	1		12:00-12:50		MTuWTh		M 310		staff
		1	1:00-1:50		MTu ThF		M 306A		staff
252a-5 Intermediate Calculus and Analytic Geometry									
	1	1	8:00-8:50		MTuWThF		M 214		staff
		2	11:00-11:50		MTuWThF		M 306A		staff
			1:00-1:50		MTuWThF		M 306A		staff
		3	2:00-2:50		MTuWThF		M 214		staff
	2		3:00-3:50		MTuWThF		M 310		staff
		4	4:00-4:50		MTuWThF		M 214		staff
252b-4									
	1	1	9:00-9:50		M WThF		M 306A		staff
			9:00-9:50		MTu ThF		M 306A		staff
		2	11:00-11:50		MTu FS		M 215		staff
	2	2	2:00-2:50		MTu ThF		M 306A		staff
		4	3:00-3:50		MTuWTh		M 215		staff
305a-3 Applied Mathematics for the Physical Sciences									
	1		10:00-10:50		M W F		M 306A		staff
		1	12:00-12:50		M WTh		M 306A		staff
	2		2:00-2:50		M		M 210		staff
			2:00-2:50		Tu Th		M 201		staff
	3	2	4:00-4:50		Tu ThF		M 209		staff
305b-3									
		1	10:00-10:50		M W F		M 306A		staff
			12:00-12:50		M WTh		M 306A		staff
		2	4:00-4:50		M W F		M 306A		staff
311-3 The Teaching of Secondary Mathematics									
	1		1:00-1:50		MTu Th		M 306A		staff
		1	3:00-3:50		M W F		M 306A		staff
320a-3 Fundamental Concepts of Algebra									
		1	8:00-8:50		M W F		HEc 106		staff
	1	1	11:00-11:50		M F		M 310		staff
			11:00-11:50		W		M 206		staff
	2	2	3:00-3:50		M W F		M 306A		staff
	T3		3:00-3:50		M W F		M 210		staff
320b-3									
		1	11:00-11:50		M		M 210		staff
			11:00-11:50		Tu Th		M 209		staff
	1		12:00-12:50		Tu ThF		M 306A		staff
		2	3:00-3:50		Tu ThF		M 210		staff
			3:00-3:50		M		M 210		staff
		2	3:00-3:50		Tu Th		M 306A		staff
335a-3 Concepts of Geometry									
	1		1:00-1:50		M		M 210		staff
			1:00-1:50		Tu Th		M 206		staff

Course No.	No. & Hours	Descriptive Title	Time	Days	Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring				
1			4:00-4:50	M W F	M 306A	staff
335b-3						335a
1			11:00-11:50	MTu Th	M 306A	staff
	1		1:00-1:50	M	M 210	staff
			1:00-1:50	Tu Th	M 207	staff
	1		4:00-4:50	MTu Th	M 310	staff
407-3	Introduction to Partial Differential Equations					305b
	1		10:00-10:50	TuW F	M 206	staff
410a-4	Statistical Analysis					114a
1 ²			10:00-10:50	MTuW F	M 206	staff
			11:00-11:50	F	M 215	staff
2			3:00-3:50	TuWThF	M 206	staff
410b-4						410a
	1 ²		10:00-10:50	MTuW F	Wham 326	staff
			11:00-11:50	F	Wham 327	staff
	2		3:00-3:50	TuWThF	Wham 228	staff
410c-4						410b
	1		10:00-10:50	M WThF	HEc 106	staff
T-414-4	Sampling Techniques					410b or 483
	T1		2:00-2:50	MTuWTh	M 104	staff
420-3	Orthogonal Functions					252b
	T1		2:00-2:50	M W F	HEc 106	staff
421a-3	Linear Algebra					252b
1	1		12:00-12:50	M W F	HEc 106	staff
2			2:00-2:50	M W F	HEc 106	staff
421b-3						421a
	1		8:00-8:50	M W F	HEc 106	staff
		1	12:00-12:50	M W F	HEc 106	staff
	1		2:00-2:50	M W F	HEc 106	staff
433-3	Theory of Point Sets					Consent of department
	1		8:00-8:50	M W F	HEc 106	staff
452a-3	Advanced Calculus					252b
1			9:00-9:50	M W F	HEc 106	staff
T2			9:00-9:50	M W F	M 206	staff
452b-3						452a
	1		4:00-4:50	M W F	HEc 106	staff
	1		9:00-9:50	M WTh	HEc 106	staff
452c-3						452b
	1		9:00-9:50	M WTh	HEc 106	staff
	1		4:00-4:50	M W F	HEc 106	staff
480a-4	Probability					252b
1			10:00-10:50	MTu ThF	HEc 106	staff
2			3:00-3:50	MTu ThF	HEc 106	staff
480b-3						480a
	1		3:00-3:50	MTu Th	HEc 106	staff
480c-3						480b
	1		3:00-3:50	MTu Th	HEc 106	staff
483-4	Statistical Inference					480a
	1		10:00-10:50	M WThF	HEc 106	staff
484-4	Design of Experiments					483
	1		10:00-10:50	M WThF	HEc 106	staff
501a-3	Real Variables					452c
1			1:00-1:50	M W F	Wham 329	staff
501b-3						501a
	1		1:00-1:50	M W F	Wham 328	staff
501c-3						501b
	1		1:00-1:50	M W F	Wham 328	staff

148 MATHEMATICS (MATH)

Course No. & Hours			Descriptive Title		Days		Bldg & Room		Prerequisite
Fall	Winter	Spring	Time						Instructor
510-4 Foundations of Mathematics									
		T1	2:00-2:50		M		Wham 326		staff
			2:00-2:50		Tu		Wham 205		staff
			2:00-2:50			Th	Wham 206		staff
			2:00-2:50			F	Wham 327		staff
520a-4 Modern Algebra									
1			2:00-2:50		MTu	ThF	Wham 329		staff
520b-4									
	1		2:00-2:50		M		Wham 326		staff
			2:00-2:50		Tu	Th	Wham 328		staff
			2:00-2:50			F	Wham 327		staff
530-4 Point Set Topology									
	1		8:00-8:50		MTuW	F	Wham 329		staff
536-3 Differential Geometry									
		T1	3:00-3:50		TuW	F	Wham 328		staff
555a-3 Complex Variables									
1			11:00-11:50		M	W	F	Wham 317	staff
555b-3									
	1		11:00-11:50		M	W	F	Wham 317	staff
560-3 Calculus of Variations									
		T1	11:00-11:50		M	W	F	Wham 317	staff
595a-2 to 4 Special Project in Algebra									
1	1	1	To be arranged						Consent of department staff
595b-2 to 4 Special Project in Geometry									
1	1	1	To be arranged						Consent of department staff
595c-2 to 4 Special Project in Analysis									
1	1	1	To be arranged						Consent of department staff
595d-2 to 4 Special Project in Probability and Statistics									
1	1	1	To be arranged						Consent of department staff
595e-2 to 4 Special Project in Mathematics Education									
1	1	1	To be arranged						Consent of department staff
599-2 to 6 Thesis									
1	1	1	To be arranged						Consent of department staff

¹ Open to first-quarter freshmen only

² Open to psychology students only

MICROBIOLOGY (MICR)

301-5 Principles of Microbiology									
One year college Chem, GSA 201a									
1			8:00-8:50		MTuWTh		LS G16	Mr Shechmeister	
			1:00-2:50		M	W	LS G6		staff
			1:00-1:50				F	LS G6	staff
2			8:00-8:50		MTuWTh		LS G16	Mr Shechmeister	
			3:00-4:50		M	W	LS G6		staff
			3:00-3:50				F	LS G6	staff
	1 ¹		11:00-11:50		MTuWTh		LS 323	Mr McClary	
			1:00-2:50		M	W	LS G6		staff
			1:00-1:50				F	LS G6	staff
	2		11:00-11:50		MTuWTh		LS 323	Mr McClary	
			3:00-4:50		M	W	LS G6		staff
			3:00-3:50				F	LS G6	staff
302-5 General Microbiology									
	1		2:00-2:50		Tu	ThF	LS G16	Mr McClary	
			1:00-2:50		M	W	LS G6		staff
	1		1:00-1:50				F	LS G6	staff
401-1 Seminar									
1	1	1	10:00-11:50			F	LS G16		10 hrs Micro and consent of instructor staff
403-5 Medical Bacteriology									
1			9:00-9:50		MTu	Th	LS G16	Mr McClary	
			8:00-9:50			W	F	LS G6	Mr McClary

Course No. & Hours — Descriptive Title				Days	Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring	Time			
423-5	Industrial Fermentation			Micro	301 and 302	and Organic Chem
1			8:00-8:50	Tu Th	LS G16	Mr McClary
			10:00-10:50	S	LS G16	Mr McClary
			1:00-4:50	Tu	LS G6	Mr McClary
424a-3 ²	Soil Microbiology (Lecture)				1 course	Micro or soils
1			8:00-8:50	M W F	Ag 168	Mr Caster
424b-2 ²	Soil Microbiology (Laboratory)				424a and consent of instructor	
1			8:00-11:50	S	Ag 181	Mr Caster
425-3	Biochemistry and Physiology of Microorganisms				301, Organic Chem	
1			3:00-3:50	MTuW	LS G16	Mr Ogur
426-2	Biochemistry and Physiology of Microorganisms				301, 425, and Organic Chem	
1			1:00-4:50	Th	LS G8	Mr Ogur
441-6	Virology				403, 451, and consent of instructor	
1			8:00-8:50	MTuWTh	LS G16	Mr Shechmeister
			1:00-2:50	Tu Th	LS G6	Mr Shechmeister
451-6	Immunology				403 and consent of instructor	
1			9:00-9:50	MTuWTh	LS G16	Mr Shechmeister
			10:00-11:50	M W	LS G6	Mr Shechmeister
500-1	Seminar				Grad standing in Micro	
1	1	1	10:00-11:50	F	LS G16	staff
501-2	Genetics of Microorganisms					
1			To be arranged			Mr Lindegren
503-2	Cytology of Microorganisms					
1			To be arranged			Mr Lindegren
504-5	Methods of Microbiological Research					
1			To be arranged			Mr Ogur
506-2	Bibliographic Methods					
1			5:45-7:25 P.M.	Tu	LS G16	Mr Ogur
511-1 to 15	Research					
1	1	1	To be arranged			staff
525-3	Biochemistry and Physiology of Microorganisms				425	
1			3:00-3:50	MTuW	LS 205	Mr Ogur
526-2	Biochemistry and Physiology of Microorganisms				426	
1			1:00-4:50	Th	LS G8	Mr Ogur
528-1 to 3	Readings in Microbiology				Grad standing in biology	
1	1	1	To be arranged			staff
599-3 to 9	Master's Research and Thesis					
1	1	1	To be arranged			staff
600-3 to 12	Doctoral Research and Thesis					
1	1	1	To be arranged			staff

¹ For Nursing students² Cross-listed with Plant Industries

MUSIC (MUS)

001a-1	Saluki Marching Band					
1			4:00-5:30	MTuWThF	Aud Stage	Mr Canedy
001b-1	Symphonic Band					
1	1	1	3:00-4:00	M W F	Aud Stage	Mr Siener
001c-0	Stage Band					
1	1	1	3:00-4:00	Tu Th	Aud Stage	Mr Canedy
001d-0	Laboratory Band					
1	1	1	8:00-8:50	F	Aud Stage	Mr Betterton
001e-1	Wind Ensemble					
1	1	1	4:00-5:30	M W F	Aud Stage	Mr Canedy
002a-1	Chorus					
1	1	1	3:00-3:50	MTuWTh	Alg 115	Mr Kingsbury
002b-½ to 1	Oratorio Chorus					
1	1	1	7:00-9:30 P.M.	M	Alg 115	Mr Kingsbury

150 MUSIC (MUS)

Course	No. & Hours	Descriptive Title	Time	Days	Bldg & Room	Prerequisite
	Fall	Winter	Spring			Instructor
002c-1	Collegiate	Singers	.....		
	1	1	1	To be arranged	Alg 115	Mr Kingsbury
003-1	Orchestra	.....			
	1	1	1	1:00-1:50 7:15-9:30 P.M.	M W F Tu	Aud Stage van Bronkhorst Aud Stage van Bronkhorst
010a-1	Class Violin	.....			
	1	1	1	11:00-11:50	M W F	Aud Stage Mr Wharton
010b-1	Class Viola	.....			
	1	1	1	11:00-11:50	M W F	Aud Stage Mr Wharton
010c-1	Class Cello	.....			
	1	1	1	11:00-11:50	M W F	Aud Stage Mr Spurbeck
010d-1	Class String Bass	.....			
	1	1	1	11:00-11:50	M W F	Aud Stage Mr Spurbeck
011-2 to 4	Private Violin	.....			
	1	1	1	To be arranged	Alg 219	van Bronkhorst
	2	2	2	To be arranged	Alg 219	Mr Wharton
012-2 to 4	Private Viola	.....			
	1	1	1	To be arranged	Alg 227	Mr Hall
013-2 to 4	Private Cello	.....			
	1	1	1	To be arranged	Alg 239	Mr Spurbeck
014-2 to 4	Private String Bass	.....			
	1	1	1	To be arranged	Aud 204	Mr Siener
020a-1	Class Flute	.....			
	1	1	1	8:00-8:50	M W F	Aud 201 Mr Resnick
020b-1	Class Oboe	.....			
	1	1	1	8:00-8:50	M W F	Alg 231 Mr Hussey
020c-1	Class Clarinet	.....			
	1	1	1	8:00-8:50	M W F	Aud 201 Mr Resnick
020d-1	Class Bassoon	.....			
	1	1	1	8:00-8:50	M W F	Aud 201 Mr Intravaia
021-2 to 4	Private Flute	.....			
	1	1	1	To be arranged	Aud 201	Mr Resnick
022-2 to 4	Private Oboe	.....			
	1	1	1	To be arranged	Alg 231	Mr Hussey
023-2 to 4	Private Clarinet	.....			
	1	1	1	To be arranged	Aud 201	Mr Resnick
024-2 to 4	Private Bassoon	.....			
	1	1	1	To be arranged	Alg 231	Mr Intravaia
025-2 to 4	Private Saxophone	.....			
	1	1	1	To be arranged	Aud 201	Mr Resnick
030-1	Class Percussion	.....			
	1	1	1	8:00-8:50	M W F	Aud 204 Mr Canedy
031-2 to 4	Private Percussion	.....			
	1	1	1	To be arranged	Aud 204	Mr Canedy
040-1	Class Piano (Music Major 3, 4, 4)	.....			
	1	1	1	2:00-2:50	Tu F	Alg 301 Mrs Hartline
	2	2	2	2:00-2:50	Tu F	Alg 244 Mr Shaak
040-1	Class Piano (Music Major 1, 2, 2)	.....			
	3	3	3	8:00-8:50	W S	Alg 301 Mr Shaak
	4	4	4	8:00-8:50	W S	Alg 244 Mrs Hartline
040-1	Class Piano (Music Major 4, 5, 5)	.....			
	5	5	5	9:00-9:50	M F	Alg 301 Mrs Hartline
	6	6	6	9:00-9:50	M F	Alg 244 Mr Shaak
040-1	Class Piano (K.P.1, 2, 2)	.....			
	7	7	7	9:00-9:50	W S	Alg 301 Mr Shaak
	8	8	8	9:00-9:50	W S	Alg 244 Mrs Hartline
	9	9	9	3:00-3:50	Tu F	Alg 301 Mrs Hartline
	10	10	10	3:00-3:50	Tu F	Alg 244 Mr Shaak

Course No.	Hours			Descriptive Title	Days	Bldg & Room	Prerequisite
	Fall	Winter	Spring	Time			Instructor
040-1	Class Piano (K.P.2, 3, 3)						
	11	11	11	8:00-8:50	M F	Alg 301	Mrs Hartline
	12	12	12	8:00-8:50	M F	Alg 244	Mr Shaak
040-1	Class Piano (Music Major 1, 2, 2)						
	13	13	13	11:00-11:50	M F	Alg 301	Mrs Hartline
	14	14	14	11:00-11:50	M F	Alg 244	Mr Shaak
040-1	Class Piano (K.P.3, 4, 4)						
	15	15	15	11:00-11:50	W S	Alg 301	Mr Shaak
040-1	Class Piano (K.P.3, 3, 3)						
	16	16	16	11:00-11:50	W S	Alg 244	Mrs Hartline
040-1	Class Piano (Music Major 2)						
	T17			1:00-1:50	Tu Th	Alg 301	staff
	T18			2:00-2:50	M W	Alg 301	staff
040-1	Class Piano (Music Major 1)						
	T19			3:00-3:50	M W	Alg 301	staff
041-2 to 4	Private Piano						
	1	1	1	To be arranged		Alg 238	Mr Denker
	2	2	2	To be arranged		Alg 247	Mr Barwick
	3	3	3	To be arranged		Alg 103B	Mr Werner
	4	4	4	To be arranged		Alg 245	Mrs Grizzell
	5	5	5	To be arranged		Alg 245	Mr Mueller
050b-1	Class Trumpet						
	1	1	1	8:00-8:50	M W F	Alg 229	Mr Betterton
050c-1	Class Trombone						
	1	1	1	8:00-8:50	Tu Th	Alg 229	Mr Betterton
051-2 to 4	Private French Horn						
	1	1	1	To be arranged		Alg 222	Mr Olsson
052-2 to 4	Private Trumpet						
	1	1	1	To be arranged		Alg 222	Mr Olsson
053-2 to 4	Private Trombone						
	1	1	1	To be arranged		Alg 229	Mr Betterton
054-2 to 4	Private Tuba						
	1	1	1	To be arranged		Alg 229	Mr Betterton
055-2 to 4	Private Baritone						
	1	1	1	To be arranged		Alg 229	Mr Betterton
060-1	Class Voice						
	1	1	1	10:00-10:50	W F	To be arranged	staff
	2	2	2	1:00-1:50	Tu Th	Alg 248	staff
061-2 to 4	Private Voice						
	1	1	1	To be arranged		Alg 246	Mr W Taylor
	2	2	2	To be arranged		Alg 234	Mrs MacClintock
	3	3	3	To be arranged		Alg 117	Miss Lawrence
071-2 to 4	Private Organ						piano proficiency
	1	1	1	To be arranged		Alg 103C	Mr Morgan
105a-4	Theory of Music						
	1			9:00-9:50	MTuWThF	Alg 106	Mr Werner
	2			9:00-9:50	MTuWThF	Alg 248	Mrs Grizzell
	3			9:00-9:50	MTuWThF	Alg 116	Mr Hall
105b-4							
	1			9:00-9:50	MTuWThF	Alg 248	Mr Werner
	2			9:00-9:50	MTuWThF	Alg 106	Mrs Grizzell
	3			9:00-9:50	MTuWThF	Alg 116	Mr Hall
105c-4							
		1		9:00-9:50	MTuWThF	Alg 248	Mr Werner
		2		9:00-9:50	MTuWThF	Alg 106	Mrs Grizzell
		3		9:00-9:50	MTuWThF	Alg 116	Mr Hall
200-3	Fundamentals of Music						
	1	1	1	1:00-1:50	M W F	Alg 248	Mr Betterton

152 MUSIC (MUS)

Course No. & Hours		Descriptive Title		Days		Bldg & Room		Prerequisite Instructor
Fall	Winter	Spring	Time					
200-3	Fundamentals of Music							
T2			1:00-1:50	M	W	F	Alg 248	staff
205a-3	Theory of Music							
1			11:00-11:50	MTuWThF			Alg 116	Mr Denker
2			11:00-11:50	MTuWThF			Alg 106	Mr Werner
205b-3								
1			11:00-11:50	MTuWThF			Alg 106	Mr Denker
2			11:00-11:50	MTuWThF			Alg 116	staff
205c-3								
1			11:00-11:50	MTuWThF			Alg 106	Mr Denker
2			11:00-11:50	MTuWThF			Alg 116	staff
300a-3	Elementary Music Methods for Music Majors							
1			8:00-8:50	M	W	F	Alg 248	Mr Gordon
1			8:00-8:50	M	W	F	Alg 116	staff
300b-3	Elementary Music Methods for Non-Music Majors							
1	1		1:00-1:50	M	W	F	USch 201	Mr Gordon
303-3	Music Education—Secondary							
1			9:00-9:50	Tu	Th	F	USch 201	Mr C Taylor
305i-3	Instrumental Problems and Materials							
1			9:00-9:50	M	W	F	Aud	Mr Intravaia
305v-3	Vocal Problems, Materials, & Conducting							
1			8:00-8:50	M	W		Alg 248	Mr C Taylor
307-4	Recreational Music							
1	1		11:00-11:50	M	W	FS	Alg 248	Mr McIntosh
309a-2	Arranging							
1			2:00-2:50		W	F	Alg 248	105c van Bronkhorst
309b-2								
1			2:00-2:50		W	F	Alg 248	Mr Bottje
309c-2								
1			2:00-2:50		W	F	Alg 248	Mr Bottje
312a-2	Composition							
1			2:00-2:50	Tu	Th		Alg 233	205c Mr Bottje
312b-2								
1			2:00-2:50	Tu	Th		Alg 233	Mr Bottje
312c-2								
1			2:00-2:50	Tu	Th		Alg 233	Mr Bottje
318a-2	Conducting							
1			10:00-10:50		W	F	Alg 116	Mr Betterton
			8:00-8:50			F	Aud Stage	Mr Betterton
2			10:00-10:50		W	F	Alg 106	staff
			8:00-8:50			F	Aud Stage	Mr Betterton
318b-2								
1			10:00-10:50		W	F	Alg 116	Mr Betterton
			8:00-8:50			F	Alg 116	Mr Betterton
326a-3	Analysis							
1			10:00-10:50	Tu	W	F	Alg 115	205c Mr Bottje
326b-3								
1			10:00-10:50	Tu	W	F	Alg 115	205c Mr Bottje
326c-3								
1			10:00-10:50	Tu	W	F	Alg 115	205c Mr Bottje
330a-4	Music History and Literature							
1			11:00-11:50	MTuWThF			Alg 115	105c Mr Morgan
330b-4								
1			11:00-11:50	MTuWThF			Alg 115	105c Mr Morgan
330c-4								
1			11:00-11:50	MTuWThF			Alg 115	105c Mr Morgan
345-1	Chamber Choir							
1	1	1	4:00-4:50	Tu	Th		Alg 116	Consent of department Mr Kingsbury

Course No. & Hours — Descriptive Title			Time	Days	Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring				
346-2 to 12 Opera Workshop Consent of department						
1	1	1	4:00-4:50	Tu Th	Alg 115	Miss Lawrence
			3:00-3:50	F	Alg 115	Miss Lawrence
			7:00-10:00 P.M.	WTh	Alg 115	Miss Lawrence
355-1 Chamber Music (String Ensemble, String Quartet)						
1	1	1	12:00-12:50	M	Aud Stage	Mr Hall
365-1 Chamber Music (Woodwinds)						
1	1	1	12:00-12:50	Tu	Aud Stage	Mr Resnick
365-1 Chamber Music (Brass)						
2	2	2	12:00-12:50	Tu	Aud Stage	Mr Betterton
411-3 Symphonic Literature 330C						
1			1:00-1:50	M W F	Alg 106	Mr Barwick
412-3 Choral Literature 330a, b, and c						
1			1:00-1:50	M W F	Alg 106	Mr Barwick
413-3 Chamber Music Literature 300a, b, and c						
1			1:00-1:50	M W F	Alg 106	Mr Barwick
441a-2 Counterpoint (16th Century) 205c						
1			2:00-2:50	Tu Th	Alg 248	Mr Bottje
441b-2 Counterpoint (18th Century) 205c						
1			2:00-2:50	Tu Th	Alg 248	Mr Bottje
441c-2 Counterpoint (Canon and Fugue) 441b						
1			2:00-2:50	Tu Th	Alg 248	Mr Bottje
T-442a-2 Advanced Composition 312c and consent of department						
T1			To be arranged		Alg 233	Mr Bottje
T-442b-2 312c and consent of department						
T1			To be arranged		Alg 233	Mr Bottje
T-442c-2 312c and consent of department						
T1			To be arranged		Alg 233	Mr Bottje
451-2 The Teaching of General Classroom Music						
1			4:00-4:50	Tu Th	USch 201	Mr C Taylor
461-2 Teaching Techniques and Materials for the beginning						
and intermediate Consent of department						
1			1:00-1:50	Tu Th	Alg 247	staff
462-2 Teaching Techniques and Materials Levels for the Advanced Student 461						
1			1:00-1:50	Tu Th	Alg 245	staff
471-2 to 4 Private Piano						
1	1	1	To be arranged		Alg 245	Mr Denker
2	2	2	To be arranged		Alg 247	Mr Barwick
3	3	3	To be arranged		Alg 241	Mr Werner
472-2 to 4 Private Voice						
1	1	1	To be arranged		Alg 246	Mr W Taylor
2	2	2	To be arranged		Alg 234	Mrs MacClintock
3	3	3	To be arranged		Alg 116	Miss Lawrence
473a-2 to 4 Private Violin						
1	1	1	To be arranged		Aud 111	van Bronkhorst
2	2	2	To be arranged		Aud 111	Mr Wharton
473b-2 to 4 Private Viola						
1	1	1	To be arranged		Alg 219	Mr Hall
473c-2 to 4 Private Cello						
1	1	1	To be arranged		Aud 111	Mr Spurbeck
473d-2 to 4 Private String Bass						
1	1	1	To be arranged		Aud 111	Mr Siener
474a-2 to 4 Private Flute						
1	1	1	To be arranged		Aud 201	Mr Resnick
474b-2 to 4 Private Oboe						
1	1	1	To be arranged		Alg 231	Mr Hussey
474c-2 to 4 Private Clarinet						
1	1	1	To be arranged		Aud 201	Mr Resnick

154 MUSIC (MUS)

Course No. & Hours		Descriptive Title		Days		Bldg & Room		Prerequisite
Fall	Winter	Spring	Time					Instructor
474d-2 to 4	Private Bassoon							
1	1	1	To be arranged			Alg 231		Mr Intravaia
474e-2 to 4	Private Saxophone							
1	1	1	To be arranged			Aud 201		Mr Resnick
475a-2 to 4	Private Trumpet							
1	1	1	To be arranged			Alg 222		Mr Olsson
475e-2 to 4	Private Tuba							
	1	1	To be arranged			Alg 229		Mr Betterton
476-2 to 4	Private Organ							
1	1	1	To be arranged			Alg 103C		Mr Morgan
477-2 to 4	Private Percussion							
	1	1	To be arranged			Aud 204		Mr Canedy
481-2 to 6	Readings in Music Theory							
1	1	1	To be arranged			Alg 103		Mr Werner
482-2 to 6	Readings in Music History and Literature							
1	1	1	To be arranged			Alg 103		Mrs MacClintock
483-2 to 6	Readings in Music Education							
1	1	1	To be arranged			Alg 103		Mr Gordon
501-3	Introduction to Graduate Study							
1			3:00-3:50	M	W	F	Alg 106	Mrs MacClintock
502-3	History and Analysis of Styles							
1	1	1	2:00-2:50	MTu	ThF	Alg 106		Mr Morgan and Mr Mueller
512-3	History of Opera							
	1		11:00-11:50	M	W	F	Alg 244	Mrs MacClintock
522-3	Seminar in Music History and Literature							
	1		To be arranged			Alg 234		Mrs MacClintock
531-2 to 9	Advanced Composition							
1	1	1	2:00-2:50	Tu	Th	Alg 233		Mr Bottje
535-3	Contemporary Idioms							
1			1:00-1:50	M	W	F	Alg 244	Mr Bottje
545-3	Philosophies of Music Theory							
1	1	1	4:00-4:50	M	W	F	Alg 103B	Mr Mueller
550-2	Organization and Administration of Music (Elementary)							
	1		1:00-1:50	Tu	Th	USch 201		Mr Gordon
551-2	Organization and Administration of Music (Secondary)							
1			3:00-3:50	Tu	Th	USch 201		Mr Gordon
556-2 to 6	Advanced Conducting							
1	1	1	To be arranged			Alg 237		Mr Kingsbury
	2	2	To be arranged			Aud 111		van Bronkhorst
560-2 to 3	Seminar in Music Education							
	1		3:00-3:50	Tu	Th	Alg 248		Mr Gordon
566-1 to 2	Instrumental Ensemble							
1	1	1	To be arranged					Mr Canedy
2			To be arranged					Mr van Bronkhorst
567-1 to 2	Vocal Ensemble							
1	1	1	To be arranged					Consent of department Mr Kingsbury
568-2 to 4	Opera Workshop							
1	1	1	4:00-4:50	Tu	Th	Alg 115		Miss Lawrence
			3:00-4:50		F	Alg 115		Miss Lawrence
			7:00-10:00 P.M.	WTh		Alg 115		Miss Lawrence
571-4 to 6	Private Piano							
1	1	1	To be arranged			Alg 245		Mr Denker
2	2	2	To be arranged			Alg 247		Mr Barwick
572-4 to 6	Private Voice							
1	1	1	To be arranged			Alg 246		Mr W Taylor
2	2	2	To be arranged			Alg 234		Mrs MacClintock
3	3	3	To be arranged			Alg 116		Miss Lawrence

Course No. & Hours			Descriptive Title	Days	Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring				
576-4 to 6	Private	Organ	Consent of department			
1	1	1	To be arranged		Alg 103C	Mr Morgan
577-4 to 6	Private	Percussion				
	1	1	To be arranged		Aud 204	Mr Canedy
599-3 to 9	Thesis					
1	1	1	To be arranged		Alg 103B	Mr Mueller

Private instruction in applied music is available to only a limited number of students, and music majors receive priority for these courses. Students who are not music majors must receive permission in writing from the chairman of the Department of Music and from the instructor concerned before they may register for these courses.

All students receiving private instruction in applied music are required to keep Mondays from 10:00 A.M. to 10:50 A.M. free to attend weekly class recitals held in the studio of their major applied instrument or voice instructor.

Private lesson appointments must be made with the individual instructor on September 23, 1964, January 2, 1965, or March 24, 1965.

NURSING (NURS)

101a-1	Orientation to Nursing					
1	10:00-10:50	M	W		HEc 128	Miss Harrison
2	10:00-10:50	Tu		F	HEc 128	Miss Harrison
T3	8:00-8:50	M	W		HEc 128	Miss Harrison
101b-1						
1	10:00-10:50	M	W		HEc 128	Miss Harrison
2	10:00-10:50	Tu		F	HEc 128	Miss Harrison
T3	9:00-9:50	M	W		HEc 128	Miss Harrison
101c-1						
1	10:00-10:50	M	W		HEc 128	Miss Harrison
2	10:00-10:50	Tu		F	HEc 128	Miss Harrison
T3	9:00-9:50			F	HEc 128	Miss Harrison
	10:00-10:50		Th		HEc 128	Miss Harrison
355-4	Background and Trends in Nursing	Grad Nurse				
T1	4:00-4:50	MTuW		F	HEc 128	Miss Harrison

PHILOSOPHY (PHIL)

300-4	Elementary Metaphysics					
1	10:00-10:50	MTuWTh			HEc 208	Mr Leys
301-4	Philosophy of Religion					
1	10:00-10:50	MTuWTh			HEc 208	Mr Levy
GSC 310-3 ¹	Religious Foundations of Western Civilization					
1	11:00-11:50	M	W	F	Wham 308	Mr Harris
GSC 311-3 ¹	Philosophies and Religions of India					
1	11:00-11:50	M	W	F	Wham 308	Mr Harris
GSC 312-3 ¹	Philosophies and Religions of the Far East					
1	11:00-11:50	M	W	F	Wham 308	Mr Harris
320-4	General Logic					
1	3:00-3:50	MTuWTh			HEc 206	Mrs Eames
340-4	Elementary Ethics and Politics					
1	2:00-2:50	MTuWTh			HEc 206	Mr Levy
360-4	Philosophy of Art					
1	7:35-9:15 P.M.	Tu	Th		HEc 208	Mr Baralt
GSC 381-3 ¹	Greek Philosophy					
1	1:00-1:50	M	W	F	HEc 208	Mr Diefenbeck
2	8:00-8:50	M	W	F	HEc 208	Mr Moore
GSC 382-3 ¹	Graeco-Roman and Medieval Philosophy					
1	1:00-1:50	M	W	F	HEc 208	Mr Diefenbeck
2	8:00-8:50	M	W	F	HEc 208	Mr Moore
GSC 383-3 ¹	Early Modern Philosophy					
1	1:00-1:50	M	W	F	HEc 208	Mr Diefenbeck

156 PHILOSOPHY (PHIL)

Course No.	Hours			Descriptive Title	Days	Bldg & Room	Prerequisite Instructor
	Fall	Winter	Spring	Time			
GSC 383-3 ¹				Early Modern Philosophy			
		2		8:00-8:50	M W F	HEc 208	Mr Leys
GSC 386-3 ¹				American Philosophy (Early)			
	1			2:00-2:50	M W F	HEc 208	Mr Hahn
GSC 387-3 ¹				American Philosophy (Recent)			
	1			2:00-2:50	M W F	HEc 208	Mr Hahn
406-4				Philosophy of Biology			
		1		7:00-9:30 P.M.	W	HEc 208	Mr Plochmann
				(Plus 4 extra sessions)			
415-3				Logic of the Social Sciences			
	1			11:00-11:50	M W F	HEc 208	Mr McClure
420-4				Advanced Logic			
		1		11:00-11:50	MTuWTh	HEc 208	Mr McClure
441-4 ²				Philosophy of Politics			
		1		3:00-3:50	M W F	HEc 208	Mr Diefenbeck
443-4				Philosophy of History			
		1		3:00-3:50	M W F	HEc 208	Mr Diefenbeck
477-4				Latin American Philosophy			
	1			7:35-9:15 P.M.	Tu Th	HEc 208	Mr Baralt
478-4				Seminar in Latin American Thought			
		1		7:35-9:15 P.M.	Tu Th	HEc 208	Mr Baralt
481a-3				19th Century European Philosophy			
	1			3:00-3:50	M W F	HEc 208	Mr Diefenbeck
481b-3							
		1		9:00-9:50	M W F	HEc 208	Mr Leys
482-3				Recent European Philosophy			
		1		10:00-10:50	M W F	HEc 208	Mr Levy
490-3				Special Problems: Philosophy of Paul Tillich			
	1			3:00-5:30	F	HEc 211	Mr Wieman
490-3				Special Problems: Philosophy of Charles Hartshorne			
	1			3:00-5:30	F	HEc 211	Mr Wieman
490-3				Special Problems: Stephen Pepper's Theory of Value			
	1			3:00-3:50	F	HEc 211	Mr Wieman
490-3				Special Problems: Leibniz			
	2			7:00-9:30 P.M.	M	HEc 211	Mr Eames
490-3				Special Problems: Social Philosophy			
	2			7:00-9:30 P.M.	M	HEc 211	Mr Eames
490-1 to 4				Special Problems			
	3	3	2	To be arranged			staff
500-3				Seminar in Metaphysics			
	1			4:00-6:30 P.M.	W	HEc 211	Mr Hahn
501-3				Seminar in Philosophy of Religion			
		1		4:00-6:30 P.M.	M	HEc 211	Mr Harris
530-3				Seminar in Theory of Knowledge			
		1		4:00-6:30 P.M.	W	HEc 211	Mr McClure
540-3				Philosophy of Journalism			
		1		8:00-10:00	Th	HEc 211	Mr Moore
570-3				Seminar in American Idealism			
		1		4:00-6:30 P.M.	M	HEc 211	Mr Harris
581-4				Seminar in Plato			
	1			7:00-9:30 P.M.	W	HEc 208	Mr Plochmann
586-4				Seminar in Spinoza			
		1		7:00-9:30 P.M.	W	HEc 208	Mr Plochmann
589-4 ³				General Graduate Seminar: Dewey's Social and Political Philosophy			
	1			4:00-6:30 P.M.	Tu	HEc 211	Mr Axtelle
589-4 ³				General Graduate Seminar: Dewey's Aesthetics			
	1			4:00-6:30 P.M.	Tu	HEc 211	Mr Axtelle
589-4 ³				General Graduate Seminar: Dewey's Theory of Inquiry			
	1			4:00-6:30 P.M.	Tu	HEc 211	Mr Axtelle

Course No. & Hours — Descriptive Title		Fall Winter Spring		Time	Days	Bldg & Room	Prerequisite Instructor
590-3	General Graduate Seminar: Philosophy of Law and Politics	1		4:00-6:30 P.M.	M	HEc 211	Mr Leys
590-3	General Graduate Seminar: Bertrand Russell	1		4:00-6:30 P.M.	W	HEc 211	Mrs Eames
590-1 to 5	General Graduate Seminar	2	1	2	To be arranged		staff
591-1 to 5	Readings in Philosophy	1	1	1	To be arranged		staff
599-2 to 9	Thesis	1	1	1	To be arranged		staff
600-2 to 12	Dissertation	1	1	1	To be arranged		staff

¹ General Studies Courses (Area C) which are listed for the convenience of philosophy students

² Cross-listed with Government

³ Cross-listed with Educational Administration and Supervision

PHYSICAL EDUCATION FOR MEN (PEM)

101-2	Orientation Practicum in Physical Education	1	1	10:00-10:50	W F	Arena 125	staff
		2		10:00-10:50	W F	Stad 102	staff
		3		12:00-12:50	Tu Th	Arena 125	staff
114-1	Methods and Materials of Teaching Wrestling	1		11:00-11:50	MTu Th	Arena	Mr Wilkinson
		1		9:00-9:50	M WTh	Arena	Mr Wilkinson
		2		10:00-10:50	M WTh	Arena	Mr Wilkinson
115-1	Methods and Materials of Coaching Baseball	1		1:00-2:50	M W	Field	Mr Martin
				(First 9 weeks of the quarter)			
		2		1:00-2:50	Tu Th	Field	Mr Martin
				(First 9 weeks of the quarter)			
		1		1:00-2:30	M W	Field	Mr Martin
116-1	Methods and Materials of Teaching Gymnastics	1		9:00-9:50	MTu Th	Arena	Mr Meade
		1		9:00-9:50	M WTh	Arena	Mr Meade
		2		10:00-10:50	M WTh	Arena	Mr Meade
117-1	Methods and Materials of Teaching Swimming	1		11:00-11:50	M W F	Pool	Mr Casey
		2		8:00-8:50 P.M.	MTu Th	Pool	Mr Casey
		1		8:00-8:50	M W F	Pool	Mr Casey
		2		9:00-9:50	M W F	Pool	Mr Casey
118-1	Methods and Materials of Teaching Tennis	1		8:00-9:50	M W	Tennis Cts	Mr Sexton
				(First 9 weeks of the quarter)			
		1		8:00-9:50	M	Tennis Cts	Mr Sexton
		2		8:00-9:50	W	Tennis Cts	Mr Sexton
119-1	Methods and Materials of Teaching Golf	1		8:00-9:50	Tu Th	Arena	Mr Holder
				(First 9 weeks of the quarter)			
		1		8:00-9:50	Tu	Arena	Mr Holder
		2		8:00-9:50	Th	Arena	Mr Holder
215-1	Methods and Materials of Coaching Track and Field	1		12:00-12:50	M WTh	Track	Mr Hartzog
		2		1:00-1:50	M WTh	Track	Mr Hartzog
		1		1:00-2:30	Tu Th	Track	Mr Hartzog
216-1	Methods and Materials of Coaching Basketball	1	1	10:00-10:50	M WTh	Arena	Mr Hartman
		2		11:00-11:50	M WTh	Arena	Mr Hartman

158 PHYSICAL EDUCATION FOR MEN (PEM)

Course	No. & Hours —	Descriptive Title	Time		Days	Bldg & Room	Prerequisite
	Fall	Winter	Spring				Instructor
217-1	Methods and Materials of Coaching Football						
1			1:00-2:50	M	W	Field	staff
			(First 9 weeks of the quarter)				
		1	1:00-2:30	M	W	Field	staff
		2	1:00-2:30	Tu	Th	Field	Mr Cross
170-2	Varsity Football						
1			3:00-3:50	MTuWThF		Field	Mr Shroyer
171-2	Varsity Basketball						
1			3:00-3:50	MTuWThF		Arena	Mr Hartman
172-2	Varsity Track						
1			3:00-3:50	MTuWThF		Stadium	Mr Hartzog
173-2	Varsity Tennis						
1			3:00-3:50	MTuWThF		Tennis Cts	Mr Sexton
174-2	Varsity Gymnastics						
1			To be arranged				
175-2	Varsity Baseball						
1			3:00-3:50	MTuWThF		Field	Mr Martin
176-2	Varsity Golf						
1			To be arranged				
177-2	Varsity Swimming						
1			4:00-4:50	MTuWThF		Pool	Mr Casey
178-2	Varsity Cross Country						
1			3:00-3:50	MTuWThF		Field	Mr Hartzog
179-2	Varsity Wrestling						
1			3:00-3:50	MTuWThF		Arena	Mr Wilkinson
181-1	Individual and Team Sports						
1			8:00-8:50	M	W	F	Arena
2			9:00-9:50	M	W	F	Arena
3			11:00-11:50	MTu	Th		Arena
182-1	Basic Rhythms						
1			8:00-8:50	M	W	F	Arena
2			9:00-9:50	M	W	F	Arena
183-1	Exercise for Fitness						
1			11:00-11:50	M	W	F	Arena
2			12:00-12:50	M	W	F	Arena
3			11:00-12:30	Tu	Th		Arena
303-5 ¹	Kinesiology						
1	1		11:00-11:50	MTuWThF		Arena 123	Mr Lingle
		1	8:00-8:50	MTuWThF		Gym 204	Miss Thorpe
		2	9:00-9:50	MTuWThF		Arena 125	Mr Lingle
305-2	Physical Education for the Atypical Student						
1			10:00-10:50	Tu	Th	Arena 125	Mr Greene
	1	1	10:00-10:50	W	F	Arena 123	Mr Greene
317-1 ¹	Life Saving and Water Safety						
1			3:00-3:50	M	W	F	Pool
		1	7:00-7:50 P.M.	MTu	Th	Pool	Mr Cross
330A-2	Theory of Basketball Coaching						
1			11:00-11:50		ThF	Arena 125	Mr Hartman
		T1	9:00-9:50		ThF	Arena 123	Mr Hartman
330B-2	Theory of Football Coaching						
1			1:00-1:50	M	W	Arena 125	staff
331A-2	Theory of Swimming Coaching						
1			1:00-1:50	M	W	Arena 125	Mr Casey
331D-2	Theory of Wrestling Coaching						
1			7:15-9:25 P.M.	Tu		Arena 125	Mr Wilkinson
341-3	Principles of Physical Education						
1			9:00-9:50	M	W	F	Arena 125
		1	8:00-8:50	MTuW		Arena 125	Mr Lingle

Course No. & Hours		Descriptive Title		Days		Bldg & Room		Prerequisite
Fall	Winter	Spring	Time					Instructor
		1	8:00-8:50	Tu	ThF	Arena 125		Mr Lingle
350-3			Methods and Materials of Teaching Physical Education Activities in Elementary School					
	1		8:00-8:50	MTuWTh		Arena 125		Mr Franklin
		1	9:00-10:50		Th	Arena 125		Mr Franklin
			10:00-10:50	MTu		Arena 125		Mr Franklin
		1	1:00-1:50	MTuWTh		Arena 125		Mr Franklin
354-3			Organization and Administration of Physical Education and Athletics					
	1	1	11:00-11:50	MTuW		Arena 125		Mr Shea
		1	9:00-9:50	M	W F	Arena 125		Mr Shea
355-1 to 2			Assisting Techniques					Junior standing staff
	1	1	To be arranged					
370-4 ¹			Tests and Measurements in Physical Education					
	1		8:00-8:50	MTuWTh		Gym 204		Miss West
	2		9:00-9:50	MTuWTh		Arena 123		Mr Franklin
		1	1:00-1:50	MTuWTh		Arena 123		Mr Franklin
		1	11:00-11:50	MTuWTh		Arena 123		Mr Franklin
376-3			Emergency Care and Prevention of Athletic Injuries				303 and Phsl 300	
	1	1	12:00-12:50	MTuWTh		Arena 123		Mr Spackman
377-1 ¹			Horseback Riding (Fee required)					
	1	T1	10:00-11:50		Th	Stables		Miss Thorpe
	2	T2	2:00-3:50		Th	Stables		Miss Thorpe
378-1 ¹			Canoeing and Boating (Fee required)					
		T1	2:00-3:50		Tu	Lake		Miss Cobb
		T2	2:00-2:50		Th	Lake		Miss Cobb
400-4 ¹			Evaluation in Physical Education					
	1		7:00-9:30 P.M.		Th	Gym 204		Miss Zimmerman
			(Plus 4 extra sessions)					
402-3 ¹			Organization and Administration of Intramural and Extramural Activities					
	1		7:00-9:30 P.M.		W	Arena 125		Mr Wilkinson
406-4 ¹			Basic Concepts in Physical Education					
	1		7:00-9:30 P.M.		M	Arena 125		Mr Shea
			(Plus 4 extra sessions)					
408-4 ¹			Physical Fitness: Its Role and Application in Education				Phsl 300	
	1		7:00-9:30 P.M.		Tu	Arena 125		Mr Bender
			(Plus 4 extra sessions)					
420-4			Physiological Effects of Motor Activities				GSA 301	
	1 ¹		7:00-9:30 P.M.		Th	Arena 125		Mr Knowlton
			(Plus 4 extra sessions)					
		1 ²	8:00-8:50	MTuW	F	Arena 123		Mr Knowlton
500-4 ¹			Techniques of Research				400	
	1		7:00-9:30 P.M.		M	Arena 125		Mr Knowlton
501-4 ¹			Curriculum in Physical Education					
		1	7:00-9:30 P.M.		M	Gym 204		Miss Davies
502-4 ¹			Foundations of Motor Skills					
	1		7:00-9:30 P.M.		Tu	Gym 204		Miss Zimmerman
503-4 ¹			Seminar in Physical Education					
		1	7:00-9:30 P.M.		W	Arena 125		Mr Shea
504-4 ¹			Problems in Physical Education				500	
	1	1	To be arranged					staff
	2	2	To be arranged					staff
508-3			Administration of Interschool Athletics					
	1		7:00-9:30 P.M.		W	Arena 125		Mr Wilkinson
509-4 ¹			Supervision in Physical Education					
		T1	7:00-9:30 P.M.		W	Gym 204		Miss Zimmerman
510A-2 ¹			Motor Development					
		T1	7:00-9:30 P.M.		Tu	Gym 204		Miss Bond
			(First 6 weeks of quarter)					
	1		7:00-9:30 P.M.		W	Gym 204		Miss Bond
			(First 6 weeks of quarter)					

160 PHYSICAL EDUCATION FOR MEN (PEM)

Course No. & Hours	Descriptive Title			Days	Bldg & Room	Prerequisite Instructor
	Fall	Winter	Spring			
510B-2 ¹						
		T1	7:00-9:30 P.M.	Tu	Gym 204	Miss Bond
			(Second 6 weeks of quarter)			
1			7:00-9:30 P.M.	W	Gym 204	Miss Bond
			(Second 6 weeks of quarter)			
525-1 to 5 ¹	Readings in	Physical Education				
1	1	1	To be arranged			staff
599-6 to 9 ¹	Thesis					
1	1	1	To be arranged			staff
600-1 to 12 ¹	Dissertation					
1	1	1	To be arranged			staff
¹ Cross-listed with Physical Education for women						
² Undergraduate men only						

PHYSICAL EDUCATION FOR WOMEN (PEW)

Activity Courses

113-1 ¹	Fundamentals of Body Movement					
	1	10:00-10:50	Tu W F	Gym 208	Miss Wood	
	T2	12:00-12:50	M W F	Gym 208	Miss Wood	
114-1 ¹	Speedball					
	1	1:00-2:50	Tu Th	Gym 208	Miss Wood	
	2	1:00-2:50	Tu Th	Gym 208	staff	
211-1	Intermediate Swimming				Pass swim test	
	1	2:00-2:50	M W F	Pool	staff	
212-1	Beginning Contemporary Dance					
	1	11:00-11:50	M W F	Gym 208	Mrs Dakak	
222-1	Folk Dance					
	1	2:00-2:50	M W F	Gym 208	Miss Stehr	
224-1	Basketball					
	1	11:00-12:50	Tu Th	Gym 208	Miss West	
	T2	2:00-2:50	M W F	Gym 208	staff	
228-1	Tennis					
	1	11:00-12:50	Tu Th	Gym 208	Miss Bond	
	2	11:00-12:50	Tu Th	Gym 208	staff	
242-1	Square and Social Dance					
	1	11:00 11:50	M W F	Gym 114	Mrs Dakak	
244-1	Hockey					
	1	10:00-11:50	Tu Th	Gym 206	Miss Stehr	
317-1 ²	Life Saving					
	1	3:00-3:50	M W F	Pool	Miss Cobb	
	1	7:00-7:50 P.M.	MTu Th	Pool	Mr Cross	
377-1 ²	Horseback Riding (fee required)					
	1	T1 10:00-11:50	Th	Stables	Miss Thorpe	
	2	T2 2:00-3:50	Th	Stables	Miss Thorpe	
378-1 ²	Canoeing and Boating (fee required)				Pass swim test	
	T1	2:00-3:50	Tu	Lake	Miss Cobb	
	T2	2:00-3:50	Th	Lake	Miss Cobb	

Professional Physical Education Courses

303-5 ²	Kinesiology				Phsl 300	
	1	1 8:00-8:50	MTuWThF	Gym 204	Miss Thorpe	
		2 9:00-9:50	MTuWThF	Arena 125	Mr Lingle	
304a-2	Techniques of Teaching Sports and Gymnastics (Soccer and Volleyball)				114	
	1	3:00-3:50	M W	Gym 208	staff	
304b-2	Techniques of Teaching Sports and Gymnastics (Field Hockey and Speedball)				244	
	1	3:00-3:50	Tu Th	Gym 208	Miss West	
304c-2	Techniques of Teaching Sports and Gymnastics (Basketball)				224	
	1	1:00-1:50	Tu Th	Gym 208	Miss West	

PHYSICAL EDUCATION FOR WOMEN (PEW) 161

Course No. & Hours	Descriptive Title	Time	Days	Bldg & Room	Prerequisite Instructor
304d-2	Techniques of Teaching Sports and Gymnastics (Tumbling and Gymnastics)				
1		1:00-1:50	M W	Gym 208	Miss Stehr
304e-2	Techniques of Teaching Sports and Gymnastics (Softball and Tennis)				228
1		11:00-12:50	M W	Gym 208	Miss Bond
308-5	Methods of Teaching Dance				212 and 222
1		8:00-8:50	MTuWThF	Gym 206	Miss Davies
311a-1	Theory of Officiating Basketball				
1		9:00-9:50	F	Gym 204	Miss West
311b-1					311a
1		9:00-9:50	F	Gym 204	Miss West
319-4	Teaching Elementary School Group Activities				Psyc 301 or Guid 305
1		1:00-1:50	MTuWTh	Gym 207	Miss Dempsey
2		2:00-2:50	MTuWTh	Gym 207	Miss Bond
3		3:00-4:50	Tu Th	Gym 207	Miss Bond
4		5:00-6:50	Tu Th	Gym 207	Miss Wood
1		8:00-8:50	MTuWTh	Gym 207	Miss Bond
2		9:00-9:50	MTuWTh	Gym 207	Miss Bond
3		3:00-3:50	MTuWTh	Gym 207	Miss Dempsey
4		4:00-4:50	MTuWTh	Gym 207	Miss Wood
T5		6:00-7:50	Tu Th	Gym 207	staff
1		11:00-11:50	MTuWTh	Gym 207	Miss Dempsey
2		2:00-2:50	MTuWTh	Gym 207	Miss Bond
3		3:00-3:50	MTuWTh	Gym 207	Miss Wood
4		4:00-4:50	MTuWTh	Gym 207	Miss Dempsey
350-5	Materials and Methods in Elementary School				
1		1:00-1:50	MTuWThF	Gym 207	Miss Stehr
351-4	Physical Education for the Atypical Student				
1		9:00-9:50	MTuWTh	Gym 204	Miss Davies
352-2	History of Physical Education				
1		9:00-9:50	MTuWTh	Gym 204	Miss Davies
	(First 6 weeks of quarter)				
353-4	Organization and Administration of Physical Education				354
1		9:00-9:50	MTuWTh	Gym 204	Miss Davies
354-2	Principles of Physical Education				
1		9:00-9:50	MTuWTh	Gym 204	Miss Davies
	(Last 6 weeks of quarter)				
355-3	Techniques of Teaching Swimming				Intermediate swimming or equivalent
1		10:00-10:50	TuW F	Pool	Miss Cobb
370-3 to 4 ²	Tests and Measurements in Physical Education				
1		8:00-8:50	MTuWTh	Gym 204	Miss West
2		9:00-9:50	MTuWTh	Arena 123	Mr Franklin
1		1:00-1:50	MTuWTh	Arena 123	Mr Franklin
1		11:00-11:50	MTuWTh	Arena 123	Mr Franklin
374-1	Advanced Dance				222
1		3:00-3:50	Tu Th	Gym 114	Miss Stehr
T1		3:00-3:50	Tu Th	Gym 208	Miss Stehr
400-4 ²	Evaluation in Physical Education				
1		7:00-9:30 P.M.	Th	Gym 204	Miss Zimmerman
	(Plus 4 extra sessions)				
402-3 ²	Organization and Administration of Intramural and Extramural Activities				
1		7:00-9:30 P.M.	W	Arena 125	Mr Wilkinson
404-4	Teaching of Sports				Consent of instructor
1	1 1	To be arranged			staff
405-4	Current Theories and Practice in the Teaching of Dance				Consent of instructor
1		To be arranged			staff
406-4 ²	Basic Concepts in Physical Education				
1		7:00-9:30 P.M.	M	Arena 125	Mr Shea
	(Plus 4 extra sessions)				

162 PHYSICAL EDUCATION FOR WOMEN (PEW)

Course No. & Hours		Descriptive Title		Days	Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring	Time			
408-4 ²			Physical Fitness—Its Role and Application in Education			Phsl 300
1			7:00–9:30 P.M.	Tu	Arena 125	Mr Bender
			(Plus 4 extra sessions)			
420-4 ²			Physiological Effects of Motor Activity			
1			7:00–9:30 P.M.	Th	Arena 125	Mr Knowlton
			(Plus 4 extra sessions)			
500-4 ²			Techniques of Research			400
1			7:00–9:30 P.M.	M	Arena 125	Mr Knowlton
501-4 ²			Curriculum in Physical Education			
1			7:00–9:30 P.M.	M	Gym 204	Miss Davies
502-4 ²			Foundations of Physical Education			
1			7:00–9:30 P.M.	Tu	Gym 204	Miss Zimmerman
503-4 ²			Seminar in Physical Education			
1			7:00–9:30 P.M.	W	Arena 125	Mr Shea
504-4 ²			Problems in Physical Education			
1	1		To be arranged			staff
2	2		To be arranged			staff
509-4 ²			Supervision in Physical Education			
	T1		7:00–9:30 P.M.	W	Gym 204	Miss Zimmerman
510a-2 ²			Motor Development			
	T1		7:00–9:30 P.M.	Tu	Gym 204	Miss Bond
			(First 6 weeks of quarter)			
1			7:00–9:30 P.M.	W	Gym 204	Miss Bond
			(First 6 weeks of quarter)			
510b-2 ²						
	T1		7:00–9:30 P.M.	Tu	Gym 204	Miss Bond
			(Second 6 weeks of quarter)			
1			7:00–9:30 P.M.	W	Gym 204	Miss Bond
			(Second 6 weeks of quarter)			
525-1 to 6 ²			Readings in Physical Education			
1	1	1	To be arranged			staff
599-6 to 9 ²			Thesis			
1	1	1	To be arranged			staff
600-1 to 12 ²			Dissertation			
1	1	1	To be arranged			staff

¹ Majors in women's physical education only

² Cross-listed with physical education for men

PHYSICS (PHYS)

206a-5	College Physics					GSD 114c
1		8:00–8:50	M	W	F	P 308
		8:00–9:50		Tu		P 308
		8:00–9:50			Th	P 317
2		8:00–8:50	M	W	F	P 308
		8:00–9:50		Tu		P 317
		8:00–9:50			S	P 308
3		12:00–12:50	M	W	F	P 308
		12:00–12:50		Tu		P 301
		1:00–1:50		Tu		P 308
		12:00–1:50			Th	P 317
4		12:00–12:50	M	W	F	P 308
		12:00–1:50		Tu		P 317
		12:00–1:50			Th	P 308
5		4:00–4:50	M	W	F	P 308
		4:00–5:50		Tu		P 308
		4:00–5:50			Th	P 317
6		4:00–4:50	M	W	F	P 308
		4:00–5:50		Tu		P 317
		4:00–5:50			Th	P 308

Course No. & Hours		Descriptive Title	Days	Bldg. & Room	Prerequisite Instructor
Fall	Winter	Spring	Time		
7		6:00-7:25 P.M.	MTuW	P 308	staff
		6:00-7:50 P.M.	Th	P 317	staff
8		6:00-7:25 P.M.	M WTh	P 308	staff
		6:00-7:50 P.M.	Tu	P 317	staff
T9		10:00-10:50	M F	P 308	staff
		10:00-10:50	W	P 309	staff
		10:00-11:50	Tu	P 317	staff
		10:00-11:50	Th	P 308	staff
206b-5					206a
T1		7:35-9:00 P.M.	M WTh	P 308	staff
		8:00-9:50 P.M.	Tu	P 317	staff
1		1:00-1:50	M W F	P 308	staff
		12:00-1:50	Tu	P 308	staff
		12:00-1:50	Th	P 317	staff
2		1:00-1:50	M W F	P 308	staff
		12:00-1:50	Tu	P 317	staff
		12:00-1:50	Th	P 308	staff
3		4:00-4:50	M W F	P 308	staff
		4:00-5:50	Tu	P 308	staff
		4:00-5:50	Th	P 317	staff
4		4:00-4:50	M W F	P 308	staff
		4:00-5:50	Tu	P 317	staff
		4:00-4:50	Th	P 301	staff
		5:00-5:50	Th	P 308	staff
T5		6:00-7:25 P.M.	M WTh	P 308	staff
		6:00-7:50 P.M.	Tu	P 317	staff
206c-5					206a
T1		3:00-3:50	M W F	P 308	staff
		2:00-3:50	Tu	P 317	staff
		2:00-3:50	Th	P 308	staff
1		1:00-1:50	M W F	P 308	staff
		12:00-1:50	Tu	P 308	staff
		12:00-1:50	Th	P 317	staff
2		1:00-1:50	M W F	P 308	staff
		12:00-1:50	Tu	P 317	staff
		12:00-12:50	Th	P 301	staff
		1:00-1:50	Th	P 308	staff
3		4:00-4:50	M W F	P 308	staff
		4:00-5:50	Tu	P 308	staff
		4:00-5:50	Th	P 317	staff
4		4:00-4:50	M W F	P 308	staff
		4:00-5:50	Tu	P 317	staff
		4:00-4:50	Th	P 301	staff
		5:00-5:50	Th	P 308	staff
T5		6:00-7:25 P.M.	M WTh	P 308	staff
		6:00-7:50 P.M.	Tu	P 317	staff
211a-5 University Physics					Math 150b or concurrent enrollment
1		9:00-9:50	Tu FS	P 309	staff
		8:00-9:50	M	P 309	staff
		8:00-9:50	W	P 317	staff
2		11:00-11:50	Tu FS	P 309	staff
		10:00-11:50	M	P 309	staff
		10:00-11:50	W	P 317	staff
3		1:00-1:50	Tu ThF	P 309	staff
		12:00-1:50	M	P 309	staff
		12:00-1:50	W	P 317	staff
T4		2:00-2:50	Tu ThF	P 309	staff
		2:00-3:50	M	P 309	staff
		2:00-3:50	W	P 317	staff

164 PHYSICS (PHYS)

Course No. & Hours		Descriptive Title		Days		Bldg & Room		Prerequisite Instructor
Fall	Winter	Spring	Time					
211a-5 University Physics Math 150b or concurrent enrollment								
5			4:00-4:50	Tu	ThF	P 309		staff
			4:00-5:50	M		P 309		staff
			4:00-5:50		W	P 317		staff
6			6:00-7:25 P.M.	MTu	Th	P 309		staff
			6:00-7:50 P.M.		W	P 317		staff
211b-5 211a, Math 252a or concurrent enrollment								
T1			2:00-2:50	TuW	F	P 308		staff
			2:00-3:50	M		P 308		staff
			2:00-3:50		Th	P 317		staff
1			9:00-9:50	Tu	FS	P 309		staff
			8:00-9:50	M		P 309		staff
			8:00-9:50		W	P 317		staff
2			11:00-11:50	Tu	FS	P 309		staff
			10:00-11:50	M		P 309		staff
			10:00-11:50		W	P 317		staff
3			2:00-2:50	Tu	ThF	P 309		staff
			2:00-3:50	M		P 309		staff
			2:00-3:50		W	P 317		staff
4			4:00-4:50	Tu	ThF	P 309		staff
			4:00-5:50	M		P 309		staff
			4:00-5:50		W	P 317		staff
T5			6:00-7:25 P.M.	MTu	Th	P 309		staff
			6:00-7:50 P.M.		W	P 317		staff
211c-5 211a, Math 252a or concurrent enrollment								
T1			12:00-12:50	Tu	ThF	P 309		staff
			12:00-1:50	M		P 309		staff
			12:00-1:50		W	P 317		staff
1			9:00-9:50	Tu	FS	P 309		staff
			8:00-9:50	M		P 309		staff
			8:00-9:50		W	P 317		staff
2			11:00-11:50	Tu	FS	P 309		staff
			10:00-11:50	M		P 309		staff
			10:00-11:50		W	P 317		staff
3			2:00-2:50	Tu	ThF	P 309		staff
			2:00-3:50	M		P 309		staff
			2:00-3:50		W	P 317		staff
4			4:00-4:50	Tu	ThF	P 309		staff
			4:00-5:50	M		P 309		staff
			4:00-5:50		W	P 317		staff
T5			6:00-7:25 P.M.	MTu	Th	P 309		staff
			6:00-7:50 P.M.		W	P 317		staff
301a-4 Mechanics 206a or 211a; Math 305a or concurrent enrollment or consent of department								
1			11:00-11:50	MTuW	F	P 308	Mr Henneberger	
301b-4 301a								
1			11:00-11:50	MTu	ThF	P 301	Mr Henneberger	
304-3 Thermodynamics 206b or 211b; Math 252b								
1			12:00-12:50	M	W F	P 301	Mr Linster	
305a-5 Introduction to Electric Theory 206c or 211c; Math 305a or concurrent enrollment or consent of department								
1			2:00-2:50	M	W F	P 301	Mr Watson	
			2:00-3:50	Tu		P 318	Mr Watson	
			2:00-3:50		Th	P 301	Mr Watson	
305b-5 305a								
1			2:00-2:50	M	W F	P 301	Mr Watson	
			2:00-3:50	Tu		P 318	Mr Watson	
			2:00-3:50		Th	P 301	Mr Watson	

Course No. & Hours —		Descriptive Title		Days		Bldg & Room		Prerequisite
Fall	Winter	Spring	Time					Instructor
310-5	Light							206b or 211b
		1	3:00-3:50	MTuW	F	P 301	Miss Zimmerschied	
			2:00-3:50		Th	P 302	Miss Zimmerschied	
404-3	Introduction to Statistical Mechanics							301b; 304 or consent of department
		T1	12:00-12:50	M	W F	P 301	Mr Henneberger	
405-5	Electronics							305b; Math 305b or consent of department
		1	2:00-2:50	M	W F	P 301	Mr Watson	
			2:00-3:50	Tu	Th	P 301	Mr Watson	
410-5	Physical Optics							305b; Math 305b or consent of department
		T1	9:00-9:50	MTuWThFS		P 301	staff	
		T1	10:00-10:50	MTuWThFS		P 301	staff	
		T1	9:00-9:50	MTuWThFS		P 301	staff	
413a-4	Atomic Physics							301b; 305b; Math 305b or consent of department
		1	8:00-8:50	MTu	ThF	P 301	staff	
413b-4								413a or consent of department
		1	8:00-8:50	MTu	ThF	P 301	staff	
414-5	Nuclear Physics							413b
		1	8:00-8:50	MTuWThF		P 301	staff	
420-2 to 5	Special Projects							301b; 305b
		1	10:00-10:50	M	W F	P 301	staff	
		1	To be arranged				staff	
450-5	Introduction to Solid State Physics							304, 305b, 413b
		1	11:00-11:50	MTu	ThF	P 301	Mr Arvin	
			10:00-11:50		W	P 303	Mr Arvin	
501a-5	Methods of Theoretical Physics							301b; 305b; 511a or consent of department
		1	1:00-1:50	MTuWThF		P 301	Mr Arvin	or concurrent enrollment, Math 305b
501b-5								501a
		1	1:00-1:50	MTuWThF		P 301	Mr Arvin	
501c-5								501b
		1	1:00-1:50	MTuWThF		P 301	Mr Arvin	
511a-4	Mathematical Methods of Physics							413b or consent of department; Math 305b
		1	4:00-4:50	MTu	ThF	P 301	Mr Linster	
511b-4								511a
		1	4:00-4:50	MTuW	F	P 301	Mr Linster	
511c-4								511b
		1	4:00-4:50	MTuW	F	P 301	Mr Linster	
520-2 to 5	Special Projects							501a or concurrent enrollment
		1	12:00-12:50	M	W F	P 301	staff	
		1	To be arranged				staff	
531a-3	Quantum Mechanics							511c
		T1	3:00-3:50	M	W F	P 301	staff	
531b-3								531a
		T1	9:00-9:50	M	W F	P 301	staff	
531c-3								531b
		T1	10:00-10:50	M	W F	P 301	staff	
590-1 to 9	Thesis							501a or concurrent enrollment
		1	To be arranged				staff	

PHYSIOLOGY (PHSL)

215-3	Introduction to Pharmacology							
		T1	9:00-9:50	M	W F	LS 205	Mr Gass	
300-4	Human Anatomy							
		1	11:00-11:50	MTuWTh		LS G16	Mrs Foote	
			9:00-9:50	MTu	F	LS G16	Mrs Foote	
		1 ¹	8:00-10:50		W	LS G18	staff	
			9:00-9:50	MTu	F	LS G16	Mrs Foote	
		2 ¹	1:00-3:50		Th	LS G18	staff	

166 PHYSIOLOGY (PHSL)

Course No. & Hours — Descriptive Title				Days			Bldg & Room		Prerequisite Instructor
Fall	Winter	Spring	Time						
315a-5 Advanced College Physiology									
1			8:00-8:50	M	W	F	LS 113		Mr Kaplan
			8:00-9:50	Tu	Th		LS 113		staff
315b-5									
	1		8:00-8:50	M	W	F	LS 113		Mr Kaplan
			8:00-9:50	Tu	Th		LS 113		staff
315c-5									
		1	8:00-8:50	M	W	F	LS 113		Mr Kaplan
			8:00-9:50	Tu	Th		LS 113		staff
414-4^a Anatomy and Physiology of Speech and Hearing Mechanics									
	1		11:00-11:50	MTu	Th		LS 113		Mr Kaplan
			10:00-11:50			F	LS G18		staff
415a-4 Experimental Animal Surgery									
T1			10:00-11:50	M	W	F	LS 118		Mr Kaplan
415b-4									
	T1		10:00-11:50	M	W	F	LS 118		Mr Kaplan
417a-3 Principles of Pharmacology									
	1		11:00-11:50	M	W		LS 205		Mr Gass
			11:00-12:50			F	LS 120		Mr Gass
430a-4 Cellular Physiology									
	1		3:00-3:50	M	W	F	Ag 116		Mr Dunagan
			2:00-3:50	Tu			LS 120		staff
430b-4									
	1		3:00-3:50	M	W	F	LS G16		Mr Dunagan
			2:00-3:50	Tu			LS 120		staff
430c-4									
		1	3:00-3:50	M	W	F	LS G16		Mr Dunagan
			2:00-3:50	Tu			LS 120		staff
433-4 Comparative Physiology									
	1		11:00-11:50	M	W	F	Ag 148		Mr Gass
			11:00-12:50			Th	LS 120		Mr Gass
450-4 to 16 Special Problems									
1	1	1	2:00-3:50	M	W	F	LS labs		staff
			8:00-9:50			S	LS labs		staff
455-2 Physiological Problems in Rehabilitation									
	1		3:00-4:50	Tu			LS G16		Mr Lee
460a-4 Mammalian Physiology									
	1		8:00-8:50	M	W	F	LS 113		Mr Kaplan
			8:00-9:50	Tu	Th		LS 113		staff
460b-4									
	1		8:00-8:50	M	W	F	LS 113		Mr Kaplan
			8:00-9:50	Tu	Th		LS 113		staff
460c-4									
		1	8:00-8:50	M	W	F	LS 113		Mr Kaplan
			8:00-9:50	Tu	Th		LS 113		staff
500-1 to 6 Advanced Seminar									
1	1	1	10:00-10:50			S	LS 323		Mr Dunagan
519-3 Experimental Pharmacology									
	1		11:00-11:50	M	W		LS G16		Mr Gass
			11:00-12:50			F	LS 120		Mr Gass
520a-3 Physiological Technics									
	1		1:00-1:50	M	W		Arranged		Mr Dunagan
			1:00-2:50			F	LS 120		staff
520b-3									
	1		1:00-1:50	M	W		Arranged		Mr Dunagan
			1:00-2:50			F	LS 120		staff
520c-3									
		1	1:00-1:50	M	W		Arranged		Mr Dunagan
			1:00-2:50			F	LS 120		staff

Course No. & Hours — Descriptive Title Days Bldg & Room Prerequisite
 Fall Winter Spring Time Days Bldg & Room Instructor

521-2	Readings in Current Physiological Literature	1	To be arranged			staff
599-3 to 9	Thesis (Master's)	1	1	1	3:00-4:50	MTuWThF LS labs staff
600-4 to 36	Doctoral Dissertation	1	1	1	3:00-4:50	MTuWThF LS labs staff

¹ For Nurses chiefly

² Cross-listed with Speech Correction

PLAN "A" (PL A)

151a-2	Honors Seminar	1			6:30-8:30 P.M.	Tu	T190	staff
151b-2		1			6:30-8:30 P.M.	Tu	T190	staff
151c-2		1			6:30-8:30 P.M.	Tu	T190	staff
251a-2	Honors Seminar	1			6:30-8:30 P.M.	M	T190	staff
251b-2		1			6:30-8:30 P.M.	M	T190	staff
251c-2		1			6:30-8:30 P.M.	M	T190	staff
351a-2	Honors Seminar	1			6:30-8:30 P.M.	W	T190	staff
351b-2		1			6:30-8:30 P.M.	W	T190	staff
351c-2		1			6:30-8:30 P.M.	W	T190	staff
391a-2	Honors Seminar	1			6:30-8:30 P.M.	Th	T190	staff
391b-2		1			6:30-8:30 P.M.	Th	T190	staff
391c-2		1			6:30-8:30 P.M.	Th	T190	staff

PLANT INDUSTRIES (PL I)

103-4	Introductory Study of Soils						H.S. chem or concurrent coll chem
1					11:00-11:50	MTuW	Ag 166 Mr Caster
					9:00-9:50	Th	Ag 168 Mr Caster
2					11:00-11:50	MTuW	Ag 166 Mr Caster
					11:00-11:50	Th	Ag 168 Mr Caster
3					11:00-11:50	MTuW	Ag 166 Mr Caster
					1:00-1:50	Th	Ag 168 Mr Caster
4					11:00-11:50	MTuW	Ag 166 Mr Caster
					3:00-3:50	Th	Ag 168 Mr Caster
	1				4:00-4:50	M WTh	Ag 166 Mr Vavra
					4:00-4:50	F	Ag 166 Mr Vavra
	2				4:00-4:50	M WTh	Ag 166 Mr Vavra
					9:00-9:50	Th	Ag 168 Mr Vavra
		1			12:00-12:50	M WTh	Ag 166 Mr Caster
					8:00-8:50	F	Ag 168 Mr Caster
		2			12:00-12:50	M WTh	Ag 166 Mr Caster
					10:00-10:50	F	Ag 168 Mr Caster
		3			12:00-12:50	M WTh	Ag 166 Mr Caster
					12:00-12:50	F	Ag 168 Mr Caster
		4			12:00-12:50	M WTh	Ag 166 Mr Caster
					3:00-3:50	F	Ag 172 Mr Caster

168 PLANT INDUSTRIES (PL I)

Course	No. & Hours	—	Descriptive Title	Time	Days	Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring					
264-4 ¹	General Horticulture						
1			9:00-9:50	MTuW		Ag 168	Mr Hillyer
			8:00-9:50		F	Ag 181	Mr Hillyer
2			9:00-9:50	MTuW		Ag 168	Mr Hillyer
			10:00-11:50		F	Ag 181	Mr Hillyer
	1		8:00-8:50	MTu	Th	Ag 172	Mr Hillyer
			8:00-9:50		W	Ag 181	Mr Hillyer
	2		8:00-8:50	MTu	Th	Ag 172	Mr Hillyer
			10:00-11:50		W	Ag 181	Mr Hillyer
301-4 ²	Soil Science for Foresters						one course in chem
1			12:00-12:50	MTuWTh		Ag 172	Mr Horton
T2			10:00-10:50	MTuWTh		Ag 168	Mr Horton
302-4	Advanced Soil Science						103 or 301
1			4:00-4:50	M	WTh	Ag 166	Mr Vavra
			3:00-4:50		F	Ag 167	Mr Vavra
2			4:00-4:50	M	WTh	Ag 166	Mr Vavra
			8:00-9:50		S	Ag 167	Mr Vavra
304-3	Landscape Gardening						
1			8:00-11:50		S	Ag 171	Mr Tucker
	1		1:00-1:50	TuW		Ag 168	Mr Tucker
			1:00-2:50		F	Ag 195	Mr Tucker
306A-3 ³	Soil and Water Conservation (Lecture)						one course in soils
1			8:00-8:50	M	W F	Ag 172	Mr Horton
306B-2 ³	Soil and Water Conservation (Laboratory)						306A or consent of department
1			8:00-8:50	Tu		Ag 195	Mr Shute
			8:00-9:50		Th	Ag 195	Mr Shute
309-4	Field Crop Production						GSA 201a
1			1:00-1:50	MTuW		Ag 168	Mr Sherwood
			10:00-11:50		F	Ag 171	Mr Sherwood
2			1:00-1:50	MTuW		Ag 168	Mr Sherwood
			1:00-2:50		F	Ag 171	Mr Sherwood
	1		9:00-9:50	M	ThF	Ag 168	Mr Portz
			8:00-9:50		W	Ag 171	Mr Portz
	2		9:00-9:50	M	ThF	Ag 168	Mr Portz
			11:00-12:50		W	Ag 171	Mr Portz
316-4	Small Fruits						GSA 201b or concurrent enrollment or consent of department
1			11:00-11:50	MTu	F	Ag 168	Mr Tucker
			10:00-11:50		W	Ag 187	Mr Tucker
318-4	Weeds and Their Control						GSA 201b or concurrent enrollment
1			3:00-3:50	MTu	F	Ag 168	Mr Sherwood
			2:00-3:50		Th	Ag 171	Mr Sherwood
324-4	Orcharding						264, GSA 201b or concurrent enrollment
1			11:00-11:50	MTu	Th	Ag 181	Mr Tucker
			10:00-11:50		W	Ag 187	Mr Tucker
334-4	Preservation and Processing of Agricultural Products						
1			4:00-4:50	M	ThF	Ag 168	Mr Tucker
			3:00-4:50		W	Ag 181	Mr Tucker
340-4	Commercial Vegetable Production						264, GSA 201b
1			2:00-2:50	MTuW		Ag 181	Mr Hillyer
			2:00-3:50		Th	Ag 181	Mr Hillyer
344-4	General Floriculture						GSA 201b
1			9:00-9:50	M	W F	Ag 181	Mr Lobenstein
			8:00-9:50	Tu		Ag 181	Mr Lobenstein
381-1 ⁴	Agricultural Seminar						Senior standing
1			4:00-4:50	Tu		Ag 172	Mr Sherwood
	1		4:00-4:50	Tu		Ag 225	Mr Wills
	1		4:00-4:50	Tu		Ag 116	Mr Burnside

Course No. & Hours		Descriptive Title		Days		Bldg & Room		Prerequisite
Fall	Winter	Spring	Time					Instructor
390-1 to 3 Special Studies in Plant Industries Consent of department staff								
1	1	1	9:00-11:50		S	Ag 178		
401-4 Soil Physics 103 or 301								
	1		3:00-3:50	MTuW		Ag 168		Mr Horton
			3:00-4:50		Th	Ag 167		Mr Horton
402-4 Soil Morphology and Classification 103 or 301								
	1		8:00-8:50	M	WTh	Ag 168		Mr Horton
			8:00-9:50		F	Ag 167		Mr Horton
404-3 Turf Management GSA 201b or equivalent								
1			2:00-2:50	M	W	Ag 181		Mr Lobenstein
			1:00-2:50		F	Ag 187		Mr Lobenstein
406-4 Radioisotopes, Principles and Practices Consent of department								
1			10:00-10:50	M	WThF	Ag 171		Mr Lobenstein
407A-3 Fertilizers and Soil Fertility (Lecture) one course in soils								
	1		3:00-3:50	MTu	F	Ag 168		Mr Vavra
407B-2 Fertilizers and Soil Fertility (Laboratory) 407A or consent of department								
	1		10:00-12:50		W	Ag 167		Mr Vavra
	2		10:00-12:50		F	Ag 167		Mr Vavra
408-4 Advanced Crop Production 309								
	1		1:00-1:50	MTu	Th	Ag 172		Mr Sherwood
			1:00-2:50		F	Ag 171		Mr Sherwood
419-4 Forage Crop Management GSA 201b								
	1		12:00-12:50		WThF	Ag 168		Mr Portz
			12:00-1:50	M		Ag 171		Mr Portz
424A-3⁵ Soil Microbiology (Lecture) one course Microbiology or Soils								
	1		8:00-8:50	M	W F	Ag 168		Mr Caster
424B-2⁵ Soil Microbiology (Laboratory) 424A and consent of department								
	1		8:00-11:50		S	Ag 181		Mr Caster
438-3 Advanced Vegetable Crops GSA 201b or equivalent								
1			11:00-11:50	MTu		Ag 181		Mr Hillyer
			11:00-12:50		W	Ag 181		Mr Hillyer
440-3 Plant Propagation 264, GSA 201b or consent of department								
	1		2:00-2:50	Tu	Th	Ag 181		Mr Hillyer
			1:00-2:50		F	Ag 181		Mr Hillyer
456c-4³ Agricultural Marketing Problems and Practices (Field Crops) GSB 211a								
1			12:00-12:50	MTu	Th	Ag 172		Mr Sherwood
			12:00-1:50		F	Ag 171		and Mr Wills
506-2 Laboratory Methods for Radioisotopes 406 or consent of department								
	1		8:00-11:50		S	Ag 167		Mr Lobenstein
		1	9:00-12:50	Tu		Ag 167		Mr Lobenstein
507-3 Advanced Soil Fertility 407A								
1			2:00-2:50	M	WTh	Ag 168		Mr Vavra
520-1 to 3 Readings Consent of department staff								
1	1	1	To be arranged					
575-1 to 6 Research Consent of department staff								
1	1	1	To be arranged					
581-1 Seminar Consent of department								
1			4:00-4:50	Tu		Ag 171		Mr Caster
	1	1	4:00-4:50	Tu		Ag 171		Mr Sherwood
599-1 to 9 Thesis Consent of department staff								
1	1	1	To be arranged					

¹ Seniors cannot enroll without consent of department

² Open only to forestry majors

³ Cross-listed with Agricultural Industries

⁴ Cross-listed with Agricultural Industries, Animal Industries, and Forestry

⁵ Cross-listed with Microbiology

170 PRINTING AND PHOTOGRAPHY (P & P)

Course No. & Hours — Descriptive Title Days Bldg & Room Prerequisite
Fall Winter Spring Time Instructor

PRINTING and PHOTOGRAPHY (P & P)

217-4	¹	General Typography							
	1	1	1	8:00-9:50	MTuWTh			T185	Mr Modlin
260a-4	²	Fundamentals of Still Photography							
		Section 1 is for majors only							
	1	T1	1	11:00-11:50	M	W	F	T27 104	Mr Craig
				1:00-3:50		W		Ag 142	Mr Craig
	2	T2	2	11:00-11:50	M	W	F	T27 104	Mr Craig
				1:00-3:50			F	Ag 142	Mr Craig
260b-4									260a
		1		9:00-9:50	M	W	F	T27 104	Mr Craig
				2:00-4:50	Tu			T27 100	Mr Craig
260c-4									260b
			1	9:00-9:50	M	W	F	T27 104	Mr Horrell
				2:00-4:50		Th		T27 100	Mr Horrell
265a-3	²	Machine Composition							217
	1			1:00-4:50	Tu	Th		VTI Bldg 2	Mr Evans
265b-3	²								265a
		T1		1:00-4:50	Tu	Th		VTI Bldg 2	Mr Evans
271a-4		Presswork							265a
		1		1:00-4:50	M	W		VTI Bldg 2	Mr Evans
271b-3									271a
			1	9:00-9:50	M	W		Ag 146	Mr Evans
				9:00-9:50	Tu			Ag 218	Mr Evans
302-3		Advanced General Typography						265b or consent of department	
		1		2:00-4:50	M	W		T185	Mr Modlin
303-4		Portrait Photography							260b
		1		9:00-9:50	Tu	Th		T27 104	Mr Horrell
				2:00-4:50		Th		T27 100	Mr Horrell
308a-4		Photolithography							271b
		1		1:00-4:50	M	W		VTI Bldg 2	Mr Evans
308b-3									308a
		1		9:00-9:50	MTu			Ag 172	Mr Evans
				9:00-9:50		W		Ag 150	Mr Evans
309a-4		Commercial and Illustrative Photography							260c
		1		11:00-11:50	Tu	Th		T27 104	Mr Craig
				2:00-4:50	M			T27 100	Mr Craig
309b-4									309a
		1		11:00-11:50	Tu	Th		T27 104	Mr Craig
				2:00-4:50	M			T27 100	Mr Craig
309c-4									309b
			1	11:00-11:50	Tu	Th		T27 104	Mr Craig
				2:00-4:50	M			T27 100	Mr Craig
312-3		Paper							302
		1		8:00-8:50	MTuW			Ag 180	Mr Hall
314-3		Bindery							302
			1	8:00-8:50	M	W		Ag 146	Mr Evans
				8:00-8:50	Tu			Ag 116	Mr Evans
341a-4		Cinematography							
		1	1	8:00-8:50	MTuWTh			T27 104	Mr Mercer
				1:00-2:50	W			T27 100	Mr Mercer
		2	T2	8:00-8:50	MTuWTh			T27 104	Mr Mercer
				3:00-4:50	W			T27 100	Mr Mercer
341b-3									341a
		1		1:00-1:50	MTu			T27 104	Mr Mercer
				2:00-4:50	Tu			T27 100	Mr Mercer

Course No. & Hours	Descriptive Title			Days	Bldg & Room	Prerequisite Instructor
	Fall	Winter	Spring			
341c-3						341b
		1	1:00-1:50	MTu	T27 100	Mr Mercer
			2:00-4:50	Tu	T27 100	Mr Mercer
344-1 to 6	Workshop in Cinema Production					Consent of department
1	1	1	To be arranged			Mr Paine
345a-3	History of Photography and Cinematography					
		1	6:00-7:25 P.M.	Tu Th	Ag 146	Mr Horrell
345b-3						
1			7:00-9:00 P.M.	Tu	Ag 146	Mr Mercer
			7:25-9:00 P.M.	Th	Ag 146	Mr Mercer
360a-3 ²	Publications Photography					260a
1			9:00-9:50	Tu Th	T27 104	Mr Horrell
			2:00-4:50	Tu	T27 100	Mr Horrell
360b-3 ²						360a
1			10:00-10:50	Tu Th	T27 104	Mr Horrell
360c-2 to 6 ²						360a
1	1	1	9:00-9:50	M W	T27 104	Mr Horrell
363-3	Picture Editing					
1			6:30-9:00 P.M.	M	T28 R114	Mr Horrell
			11:00-11:50	W	T27 R104	Mr Horrell
365-3	Printing Operation Analysis					312
1			8:00-8:50	M W	Ag 146	Mr Hall
			8:00-8:50	Tu	Ag 116	Mr Hall
366-3	Printing Cost Analysis					365, Acct 250
1			8:00-8:50	MTu	Ag 214	Mr Hall
			8:00-8:50	W	Ag 150	Mr Hall
379a-3	Printing Production					366, Mgt 340
1			11:00-11:50	M W	Ag 218	Mr Hall
			11:00-11:50	Tu	Ag 180	Mr Hall
379b-3						379a
1			11:00-11:50	MTuW	Ag 174	Mr Hall
379c-3						379b
1			11:00-11:50	MTuW	Ag 180	Mr Hall
381a-3	Estimating					366
1			9:00-9:50	M	Ag 180	Mr Hall
			9:00-9:50	Tu	Ag 148	Mr Hall
			9:00-9:50	W	Ag 150	Mr Hall
381b-3						381a
1			9:00-9:50	MTu	Ag 146	Mr Hall
			9:00-10:50	W	Ag 116	Mr Hall
384-3	Printing Management Seminar					381b
1			9:00-9:50	M	Ag 148	Mr Hall
			9:00-9:50	TuW	Ag 168	Mr Hall
390-2 to 6	Problems in Still Photography and Cinematography					Consent of department staff
1	1	1	To be arranged			
392-3	Photographic Method in Science and Technology					Consent of department
		1	10:00-10:50	Tu ThF	T27 104	Mr Horrell
			2:00-4:50	Tu	T27 100	Mr Horrell

¹ Cross-listed with Industrial Education

² Cross-listed with Journalism

PSYCHOLOGY (PSYC)

211a-4	Principles and Methods of Psychology					201 or GSB 201c
1		1	9:00-9:50	MTu Th	Ag 154	Mr Wagman
			8:00-9:50	W	T142	staff
2		2	9:00-9:50	MTu Th	Ag 154	Mr Wagman
			8:00-9:50	S	T142	staff

172 PSYCHOLOGY (PSYC)

Course No. & Hours		— Descriptive Title		Days		Bldg & Room		Prerequisite
Fall	Winter	Spring	Time					Instructor
211a-4 Principles and Methods of Psychology 201 or GSB 201c								
	1		9:00-9:50	MTu	Th	Ag 154		Mr Mitchell
			8:00-9:50		W	T142		staff
	2		9:00-9:50	MTu	Th	Ag 154		Mr Mitchell
			8:00-9:50		S	T142		staff
211b-4 211a								
	1	1	8:00-8:50	M	WTh	Ag 154		staff
			8:00-9:50		Tu	T142		staff
	2	2	8:00-8:50	M	WTh	Ag 154		staff
			8:00-9:50		F	T142		staff
	1		8:00-8:50	M	WTh	Ag 154		staff
			8:00-9:50		Tu	T142		staff
	2		8:00-8:50	M	WTh	Ag 154		staff
			8:00-9:50		F	T142		staff
301-4 Child Psychology 201 or GSB 201c								
	1		11:00-11:50	TuW	FS	Ag 168		Mr Schill
	2		2:00-2:50	M	WThF	Ag 172		staff
	1		11:00-11:50	Tu		Ag 154		staff
			11:00-11:50		Th	Ag 168		staff
			11:00-11:50		FS	Ag 216		staff
	2		2:00-2:50	M	WThF	Ag 216		staff
		1	8:00-8:50	Tu	Th	Ag 216		staff
			8:00-8:50		W F	Ag 172		staff
	2		2:00-2:50	M	WThF	Ag 224		staff
303-4 Adolescent Psychology 201 or GSB 201c								
	1		8:00-8:50	TuW	FS	Ag 224		staff
		1	4:00-4:50	MTuWTh		Ag 224		staff
304-4 Psychology of Maturity and Old Age 201 or GSB 201c								
	1		4:00-4:50	MTuWTh		Ag 154		staff
305-4 Psychology of Personality 201 or GSB 201c								
	1		11:00-11:50	1 MTuWTh		Ag 172		Mr Kelley
		1	11:00-11:50		TuWThF	Ag 214		Mr Kelley
	2		3:00-3:50	M	WThF	Ag 216		Mr Martire
		2	12:00-12:50	M	WThF	Ag 216		Mr Schill
		1	12:00-12:50	M	WThF	Ag 216		Mr Schill
		2	4:00-4:50	MTuWTh		Ag 216		Mr Caracena
307-4 Social Psychology 201 or GSB 201c								
	1	1	4:00-4:50	MTuWTh		Ag 216		Mr Pitz
		1	8:00-8:50	MTu	ThF	Ag 224		Mr Pitz
311-4 Experimental Psychology: Learning 211b								
	1		10:00-11:50	M	Th	T142		Mr Mitchell
		1	8:00-9:50	M	Th	T142		Mr Wagman
		1	10:00-11:50		W F	T142		Mr McHose
312-4 Experimental Psychology: Perception 211b								
	1		1:00-2:50		W F	T73		Mr Lit
313-4 Experimental Psychology: Motivation 211b								
	1		10:00-11:50	M	Th	T142		Mr McHose
314-4 Experimental Psychology: Comparative and Physiological 211b								
	1		11:00-11:50	TuW	F	Ag 150		Mr Mitchell
			10:00-11:50		S	T142		Mr Mitchell
320-4 Industrial Psychology 201 or GSB 201c								
	1		12:00-12:50	M	WThF	Ag 216		Mr Hemingway
		1	2:00-2:50	MTuW		Ag 154		staff
			2:00-2:50		F	Ag 224		staff
		1	1:00-1:50	M	WThF	Ag 216		staff
322-4 Personnel Psychology 201 or GSB 201c								
	1		3:00-3:50	M	WThF	Ag 216		Mr Hemingway
		1	12:00-12:50	M	WThF	Ag 172		Mr Hemingway

Course No. & Hours		Descriptive Title		Days		Bldg & Room		Prerequisite
Fall	Winter	Spring	Time					Instructor
323-4			Psychology of Employee Relations			201 or GSB 201c		
	1		11:00-11:50	MTuWTh		Ag 224		Mr Westberg
404-4			Theories of Perception			211b or consent of department		
	1		10:00-11:50	W F		T73		Mr Lit
406-4			Learning Processes			211b or consent of department		
	1		9:00-9:50	WThFS		Ag 146		Mr Wagman
407-4			Theories of Learning			211b or consent of department		
	1		10:00-11:50	M Th		Ag 144		Mr McHose
408-4			Theories of Motivation			211b or consent of department		
	1		10:00-11:50	W F		Ag 144		Mr Ehrenfreund
409-4			History and Systems			20 hours Psyc and consent of instructor		
	1		9:00-9:50	M W F		Ag 146		Mr McHose
			9:00-9:50	Th		Ag 172		Mr McHose
420-4			Scientific Methodology in Psychology			Consent of instructor		
	1		To be arranged					Mr Doleys
421-4			Psychological Tests and Measurements			8 hours Psyc		
	1		9:00-9:50	M Th		Ag 148		staff
			9:00-10:50	W		Ag 148		staff
	1		To be arranged					Mr Doleys
	2		To be arranged					Mr Doleys
424-4			Psychophysical Methods					
	1		1:00-2:50	W F		T73		Mr Lit
431-4			Psychopathology			305		
	1		3:00-4:50	M W		Ag 144		Mr Gerler
		1	3:00-4:50	M W		Ag 150		Mr Chapman
440-4			Theories of Personality			305 or consent of department		
	1		3:00-4:50	M Th		Ag 154		Mr Schill
		1	3:00-3:50	M WThF		Ag 154		Mr Martire
		1	3:00-4:50	M Th		Ag 214		Mr Martire
451-4			Advanced Child Psychology			301 or 303 or consent of instructor		
	1		10:00-10:50	MTu ThF		Ag 148		staff
461-4			Advanced Social Psychology			307 or consent of department		
	1		10:00-11:50	M		Ag 218		Mr Alexander
			10:00-11:50	Th		Ag 148		Mr Alexander
465-4			Group Dynamics and Individual Behavior			307 or consent of department		
	1		10:00-11:50	M		Ag 180		Mr Alexander
			10:00-11:50	Th		Ag 144		Mr Alexander
471-4			Work Methods and Measurement					
	1		11:00-11:50	M WThF		Wham 305		staff
490-1 to 16			Independent Projects			Consent of department and of instructor		
	1	1	To be arranged					staff
495-1 to 18			Seminar: Selected Topics			Consent of department and of instructor		
	1	1	To be arranged					staff
501a-4			Proseminar in General Psychology			Consent of instructor		
	1		1:00-2:50	M Th		Ag 146		Mr Ehrenfreund
501b-4						Consent of instructor		
	1		1:00-2:50	M Th		Ag 144		Mr Ehrenfreund
501c-4						Consent of instructor		
	1		1:00-2:50	M Th		Ag 148		Mr Ehrenfreund
509-4			Instrumentation in Behavioral Science			Consent of department		
	1		To be arranged					Mr Wagman
512-4			Sensory Processes			Consent of department		
	1		1:00-2:50	W F		T73		Mr Lit
514a-4			Physiological Psychology			Consent of instructor		
	1		11:00-11:50	M F		Ag 180		Mr Mitchell
			11:00-11:50	Tu		Ag 148		Mr Mitchell
			10:00-11:50	W		Wham 301B		Mr Mitchell
514b-4						Consent of instructor		
	1		9:00-9:50	TuWThF		Ag 148		Mr Mitchell

174 PSYCHOLOGY (PSYC)

Course No. & Hours		Descriptive Title		Days		Bldg & Room		Prerequisite
Fall	Winter	Spring	Time					Instructor
522-4			Research Design and Inference					Math 410b
	1		9:00-9:50	M	WTh	Ag 174		Mr Pitz
			9:00-9:50		F	Ag 170		Mr Pitz
523-2			Research Seminar					522
	1		3:00-4:50	M		Ag 174		Mr Hemingway
524-4			Advanced Research Methodology					522
	1		To be arranged					Mr Hemingway
530-4			Personality Theory and Dynamics					Consent of instructor
	1		1:00-2:50		W	Ag 216		Mr Tyler
			1:00-2:50		F	Ag 116		Mr Tyler
532-2			Experimental Approaches to Personality			530, 541a,b		and consent of department
	1		To be arranged					Mr Tyler
533-3			Experimental Approaches to Psychopathology					Consent of department
	1		10:00-10:50		F	Ag 148		Mr Chapman
			10:00-11:50	Tu		Ag 148		Mr Chapman
536-4			Fundamentals of Counseling					Consent of department
	1		To be arranged					Mr Renzaglia
537-4			Counseling and Psychotherapy			530		and consent of department
	1		1:00-2:50		W F	Ag 148		Mr Martire
538-2			Group Psychotherapy			537		and consent of department
	1		3:00-4:50	M		Ag 174		Mr Gerler
541a-4			Psychodiagnostics I			Math 410a		or consent of department
	1		1:00-2:50		W F	Ag 144		Miss Rafferty
541b-2						Math 410b		or consent of department
	1		10:00-11:50		Th	Ag 174		Mr Schill
543a-4			Psychodiagnostics II			541b		or consent of instructor
	1		1:00-1:50	M	F	Ag 180		Miss Rafferty
			1:00-2:50		W	Ag 224		Miss Rafferty
543b-2						543a		or consent of department
	1		1:00-2:50	M		Ag 180		Mr Chapman
545-2			Psychodiagnostics III					Consent of instructor
	1		2:00-3:50		F	Ag 180		Mr Lewinsohn
547-2			Assessment Procedures in Counseling			421		or consent of department
	1		To be arranged					Mr Doleys
552-4			Experimental Child Psychology			451		or consent of department
	1		1:00-2:50	M		Ag 168		Miss Rafferty
			1:00-2:50		W	Ag 170		Miss Rafferty
554-2			Developmental Theory			451		or consent of department
	1		2:00-3:50		F	Ag 180		Mr Lewinsohn
556-2			Psychological Treatment of the Child			451		or consent of department
	1		10:00-11:50		F	Ag 172		Mr Lewinsohn
561-4			Social Influence Processes			461		or consent of department
	1		To be arranged					Mr Alexander
571-4			Industrial Motivation and Morale			320		or consent of instructor
	1		9:00-9:50	MTu	ThF	Ag 116		Mr Westberg
572-4			Industrial Training			320		or consent of department
	1		11:00-11:50	M		Wham 328		staff
			11:00-11:50		Tu Th	Ag 144		staff
			11:00-11:50		W	Ag 170		staff
573-2			Selection and Placement			524		or consent of department
	1		3:00-3:50		W F	Ag 174		staff
574-2			Psychology of Industrial Relations			571		or consent of department
	1		10:00-10:50	Tu	F	Ag 148		staff
576-2 to 4			Human Engineering					Consent of department
	1		10:00-11:50		W F	T73		Mr Lit
590-1 to 16			Readings in Psychology					Consent of department
	1	1	To be arranged					staff
591-1 to 16			Research in Psychology					Consent of department
	1	1	To be arranged					staff

Course No. & Hours — Descriptive Title			Time	Days	Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring				
593E-1 to 18	Practicum	in	Clinical Psychology			Consent of department
1	1	1	1:00-2:50	Th	Arranged	Mr Shoemaker
2	2		1:00-2:50	Th	Arranged	Mr Martire
		2	1:00-2:50	Th	Arranged	Mr Tyler
593H-1 to 18	Practicum	in	Industrial Psychology			Consent of department
1	1	1	To be arranged			Mr Westberg
593J-1 to 18	Practicum	in	Child Psychology			Consent of department
1	1	1	To be arranged			Miss Rafferty
593L-1 to 18	Practicum	in	Teaching of Psychology			Consent of department
1	1	1	To be arranged			Mr Carrier
593M-1 to 18	Practicum	in	Rehabilitation Psychology			Consent of department
1	1	1	To be arranged			Mr Caracena
593N-1 to 18	Practicum	in	Rehabilitation Counseling			Consent of department
1	1	1	To be arranged			Mr Renzaglia
	2	2	To be arranged			Mr Doleys
	3	3	To be arranged			Mr Caracena
595-1 to 18	Advanced Seminar					Consent of department
1	1	1	To be arranged			staff
2	2	2	To be arranged			Mr Alexander
	3		To be arranged			Mr McHose
		3	To be arranged			Mr Hemingway
3			To be arranged			Mr Wagman
4			To be arranged			Mr Mitchell
598-2	Ethical and Professional Problems in Psychology					Psyc Major or consent of instructor
1			To be arranged			Mr Kelley
599-1 to 9	Master's Thesis					
1	1	1	To be arranged			staff
600-1 to 18	Doctoral Dissertation					
1	1	1	To be arranged			staff

RADIO-TELEVISION (R-T)

161-4	Radio-Television Speaking						
1	1	1	8:00-8:50	MTu ThF	RadS A	Mr Richter	
2			11:00-11:50	MTu ThF	RadS A	Mr Richter	
3			5:00-5:50	MTuWTh	RadS A	Mr Uray	
		2	5:00-5:50	MTuWTh	RadS A	Mr Richter	
	2		5:45-7:25 P.M.	Tu Th	RadS A	Mr Richter	
251-2	Survey of Broadcasting						
1	1		9:00-9:50	Tu Th	Stad 101	Mr Mofield	
257-4	Fundamentals of Broadcast Writing						
1			9:00-9:50	MTu ThF	Stad 101	Mr Richter	
		1	11:00-11:50	MTu ThF	Stad 101	Mr Richter	
261-3	Radio Announcing						161
1			11:00-11:50	MTu ThF	RadS A	Mr Uray	
351-5	Programs and Audiences						
		1	2:00-2:50	MTuWThF	Stad 101	Mr Criminger	
1			3:00-3:50	MTuWThF	Stad 101	Mr Criminger	
352-4	Laws and Policies						351
1			2:00-2:50	MTu ThF	Stad 101	Mr Criminger	
353-2	Radio and Television in Education						
1			12:00-12:50	W F	Stad 101	Mr Robbins	
354-4	Radio and Television Program Planning						351
1			3:00-3:50	MTuWTh	Stad 101	Mr Criminger	
355-3	Broadcast Persuasion Factors						
		1	1:00-1:50	M W F	Stad 101	Mr Mofield	
359-3	Basic Television Writing						B in 257
1			12:00-12:50	M W F	TVS	Mr Holman	

176 RADIO-TELEVISION (R-T)

Course No.	Hours			Descriptive Title	Days	Bldg & Room	Prerequisite
	Fall	Winter	Spring	Time			Instructor
361-2	Television Announcing						261
1				4:00-4:50	M W	TVS	Mr Dybvig
367-3	Radio-Television Survey						
1	1	1		8:00-9:50	M W F	RadS C	Mr Uray
1				3:00-4:50	M W F	RadS C	Mr Criminger
2				3:00-4:50	MTu Th	RadS C	Mr Uray
		2		3:00-4:50	M W F	RadS C	Mr Uray
368-3	Fundamentals of Television Production						367
1	1			3:00-4:50	M W F	TVS	Mr Allen
369-4	Advanced Television Production						368
1	1			1:00-1:50	M W	TVS	Mr Gill
				1:00-4:50		F TVS	Mr Gill
370-2	Films for Television						Consent of department
1				12:00-12:50	Tu Th	TVS	Mr Dybvig
372-3	Religious Radio Program Production						Consent of department
1				12:00-12:50	M W F	Stad 101	Mr Uray
373-1 to 5	Advanced Radio Production Laboratory						Consent of department
1	1	1		To be arranged		RadS	Mr Uray
374-1 to 5	Advanced Television Production Laboratory						Consent of department
1	1	1		To be arranged		TVS	Mr Dybvig
375A-4	Newscasting						Consent of department
		1		8:00-8:50	TuWThF	Stad 101	Mr Mofield
1				2:00-2:50	MTuWTh	RadS A	Mr Mofield
375F-2	Promotion and Publicity						Consent of department
1				3:00-3:50	M W	Stad 101	Mr Mofield
375G-3	Advertising and Sales						Consent of department
1				1:00-1:50		ThF Stad 101	Mr Mofield
				1:00-1:50	Tu	Stad 102	Mr Mofield
375J-1 to 4	Individual Research Problems						Consent of department
1	1	1		To be arranged		RadS	Mr Mofield
375N-1 to 4	Production Problems						Consent of department
1	1	1		To be arranged		RadS	Mr Mofield
375S-1	Sportscasting						Consent of department
1	1	1		10:00-10:50		Th RadS A	Mr Mofield
390-5	Radio Station Management						Consent of department
1				1:00-1:50	MTuWThF	Stad 101	Mr Mofield
393-3	Radio-Television and Society						
		1		9:00-9:50	M W F	Stad 101	Mr Mofield
394-5	Television Station Management						Consent of department
1				2:00-2:50	MTuWThF	TVS	Mr Kurtz

RECREATION and OUTDOOR EDUCATION (REC)

100-3	Orientation to Parks and Recreation						
1	1	1		11:00-11:50	MTuW	Gym 203	staff
201-4	Introduction to Recreation Leadership						
1	1	1		9:00-9:50	TuWThF	Gym 203	staff
202-4	Organization and Direction of Recreation Programs						201
1	1	1		11:00-11:50	M WThF	Gym 204	Mr O'Brien
220-4	Leadership in Outdoor Recreation						
1		1		2:00-2:50	MTuWTh	Gym 204	staff
301-4	Programs in School Camping and Outdoor Education						
1				8:00-8:50	MTuWTh	Arena 123	staff
	1	1		8:00-8:50	MTuWTh	Arena 121	staff
302-4	Institutional Recreation						201
1	1	1		10:00-10:50	MTuWTh	Stad 101	Mrs Bender
310-3	Social Recreation						
1	1			11:00-11:50	MTuW	Stad 101	staff
311-2 to 6	Camp Leadership						201
1		1		To be arranged			staff

Course No.	Hours	Descriptive Title	Time	Days	Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring				
312-2 to 6		Playground Leadership				201
1	1	To be arranged				staff
313-2 to 6		Agency, Community Center, Social Recreation Leadership				201
1	1	To be arranged				staff
314-2 to 6		Institutional Recreation Leadership				201
1	1	To be arranged				Mrs Bender
315-4		Recreational Dramatics				
1		11:00-11:50	MTuWTh		Wham 206	Mr Taylor
	1	11:00-11:50	MTuWTh		Wham 328	Mr Taylor
365-2		The Organization and Administration of Community Recreation				
1		1:00-1:50	M W		Gym 204	Mr O'Brien
450-4		Principles and Interpretations of Recreation				
1	1	6:30-9:00 P.M.	W		M 209	staff
		(Plus 4 extra sessions)				
470-4		Recreation in Public Education				
1		6:30-9:00 P.M.	M		Gym 204	staff
		(Plus 4 extra sessions)				
480-4		Techniques in Camping				
1	1	6:30-9:00 P.M.	Tu		M 203B	Mr Taylor
		(Plus 4 extra sessions)				
510-4		School Camping and Outdoor Education Workshop				
1	1	9:00-11:30		S	HEc 104	Mr Taylor
520-4		Recreation Program Workshop				
1	1	6:30-9:00 P.M.	Th		Gym 204	Mr Ridinger
530-4		Organization for Community Recreation				
1	1	6:30-9:00 P.M.	M		M 203B	Mr Ridinger
540-4		Recreation Surveys and Planning Facilities				
1	1	6:30-9:00 P.M.	W		M 203B	Mr Taylor
550-2 to 6		Field Problems in Community Recreation				
1	1	To be arranged				staff

REHABILITATION INSTITUTE

Students interested in graduate work in rehabilitation counseling should consult Mr. Guy A. Renzaglia, Director, Rehabilitation Institute.

RELIGION (REL)

206-3		Personalities of the Old Testament				
1		11:00-11:50	M W F		R3	Mr Gillespie
207-3		Bible, Life of Christ				
1		11:00-11:50	M W F		R1	Mr Queen
2		6:00-7:25 P.M.	MTu Th		R1	Mr Queen
208-3		Bible, Life and Writings of Paul				
1		11:00-11:50	M W F		R1	Mr Queen
2		6:00-7:25 P.M.	Tu Th		R1	Mr Queen
	1	11:00-11:50	M W F		R3	Mr Gillespie
210-3		Survey of Roman Catholic Faith				
1	1	9:00-9:50	M W F		R7	Mr Hsu
211-3		Divine Claims of Christianity				
1	1	11:00-11:50	MTu Th		R7	Mr Orford
212-2		Analysis of Divine Belief				
1	1	7:35-9:15 P.M.	M		R7	Mr Hentschel
215-3		Christian Apologetics				
1		1:00-1:50	M W F		R1	Mr Queen
225-3		Ministry of Music				
1		1:00-1:50	M W F		R1	Mr Gray
226-3		Hymnology				
1		1:00-1:50	M W F		R1	Mr Gray
227-3		Practical Church Music				
1		1:00-1:50	M W F		R1	Mr Gray

178 RELIGION (REL)

Course	No. & Hours	Descriptive Title	Time	Days	Bldg & Room	Prerequisite Instructor
	Fall	Winter	Spring			
228-1	Chapel Singers	1	1	1	9:00-10:30 P.M.	Tu Th R1 Mr Gray
240-3	Introduction to the History of Christianity	1			9:00-9:50	M W F R4 Mr Seibert
252-3	Introduction to Religious Education	1			10:00-10:50	M W F R1 Mr Hall
253-3	Religious Education in the Church	1			8:00-8:50	M W F R1 Mr Hall
254-3	The Church and the Community	1			8:00-8:50	M W F R1 Mr Hall
305-3	Bible, Genesis through Numbers	1			9:00-9:50	M W F R1 Mr Queen
307-3	Bible, Poetical Books of the Old Testament	1			9:00-9:50	M W F R1 Mr Queen
308-3	Bible, The Prophets	1			9:00-9:50	M W F R1 Mr Queen
315-2	Theology of the Sacraments	1	1	1	7:35-9:15 P.M.	Th R7 Mr Vandelloo
335-3	Basic Christian Ethics	1			9:00-9:50	M W F R4 Mr Seibert
351-3	Religious Education of Youth	1			10:00-10:50	M W F R1 Mr Hall
352-3	Church Administration I	1			8:00-8:50	M W F R1 Mr Hall
353-3	Church Administration II	1			10:00-10:50	M W F R1 Mr Hall

RUSSIAN STUDIES

Students interested in a minor in Russian Studies should consult Mr. Joseph Velikonja, Department of Geography, academic adviser for the program.

SECONDARY EDUCATION (S ED)

310-4	History and Principles of Secondary Education						Guid 305
1	1	1	8:00-9:50	M	W	Wham 317	staff
2	2	2	8:00-9:50	Tu	Th	Wham 317	staff
3	3	3	1:00-2:50	M	W	Wham 317	staff
4	4	4	1:00-2:50	Tu	Th	Wham 317	staff
5	5	5	3:00-4:50	M	W	Wham 317	staff
6	6	6	3:00-4:50	Tu	Th	Wham 317	staff
7	7	7	5:45-7:25 P.M.	M	W	Wham 317	staff
315-3	High School Methods						Guid 305
1	1	1	8:00-8:50	M	W	F	Wham 328
352a-4 to 16	Secondary Student Teaching						
1	1	1	To be arranged in Agriculture				staff
2	2	2	To be arranged in Art				staff
3	3	3	To be arranged in Biology				staff
4	4	4	To be arranged in Business				staff
5	5	5	To be arranged in Chemistry				staff
6	6	6	To be arranged in Economics				staff
7	7	7	To be arranged in English				staff
8	8	8	To be arranged in Foreign Language				staff
9	9	9	To be arranged in General Science				staff
10	10	10	To be arranged in Geography				staff
11	11	11	To be arranged in Government				staff
12	12	12	To be arranged in Health Education				staff
13	13	13	To be arranged in History				staff
14	14	14	To be arranged in Home Economics				staff
15	15	15	To be arranged in Ind Education				staff

Course No. & Hours	Descriptive Title	Days	Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring	Time	
16	16	16	To be arranged in Journalism	staff
17	17	17	To be arranged in Mathematics	staff
18	18	18	To be arranged in Music	staff
19	19	19	To be arranged in Phys Education	staff
20	20	20	To be arranged in Physics	staff
21	21	21	To be arranged in Sociology	staff
22	22	22	To be arranged in Social Studies	staff
23	23	23	To be arranged in Speech	staff
24	24	24	To be arranged in Library Service	staff
352b-4 to 16 Secondary Student Teaching 24 sections each quarter as listed above				
352c-4 to 16 Secondary Student Teaching 24 sections each quarter as listed above				
375-2 to 3 Readings in Secondary Education				
1	1	1	To be arranged	staff
407-4 The Junior High School				
	1		6:30-9:00 P.M. Tu	Wham 205 Mr Edwards
(Plus 4 extra sessions)				
440-3 Teaching Reading in High School				
T1	T1	T1	10:00-10:50 M W F	Wham 308 Mr Hafner
2	2	2	6:00-7:25 P.M. Tu Th	Wham 308 Mr Hafner
488-3 Teaching Social Studies in Secondary School				
1	1		2:00-2:50 M W F	Wham 328 Mr Samford
505-4 ¹ Improvement of Reading Instruction				
1			6:30-9:00 P.M. Tu	Wham 144 Mr Karlin
507-1 to 4 ¹ Readings in Reading				
1	1	1	To be arranged	Mr Karlin
508-4 Seminar: Trends in Selected Areas in Secondary Education				
	1		6:30-9:00 P.M. Tu	Wham 205 Mr Dykhous
509-4 to 8 ¹ Practicum in Reading				
1	1	1	To be arranged	Mr Karlin
510-4 ¹ Seminar Problems in Reading				
	1		6:30-9:00 P.M. W	Wham 144 Mr Karlin
514-4 ¹ Organization and Administration of Reading Programs				
	1		6:30-9:00 P.M. Tu	Wham 144 Mr Karlin
521a-3 ¹ Diagnosis and Correction of Reading Disabilities				
1			9:00-11:30 S	Wham 144 Mr Karlin
521b-3 ¹				
	1		9:00-11:30 S	Wham 144 Mr Karlin
521c-3 ¹				
	1		9:00-11:30 S	Wham 144 Mr Karlin
562-4 Workshop: High School Curriculum				
1			6:30-9:00 Th	Wham 326 Mr Bossing
564-4 High School Principalship				
1			6:30-9:00 W	USch 118 Mr Mees
575A-2 to 4 Individual Research (Curriculum)				
1	1	1	To be arranged	staff
575B-2 to 4 Individual Research (Supervision)				
1	1	1	To be arranged	staff
575C-2 to 4 Individual Research (Language Arts)				
1	1	1	To be arranged	staff
575D-2 to 4 Individual Research (Science)				
1	1	1	To be arranged	staff
575E-2 to 4 Individual Research (Readings)				
1	1	1	To be arranged	staff
575F-2 to 4 Individual Research (Social Studies)				
1	1	1	To be arranged	staff
575G-2 to 4 Individual Research (Secondary Education)				
1	1	1	To be arranged	staff
596-5 to 9 Independent Investigation				
1	1	1	To be arranged	staff

180 SECONDARY EDUCATION (S ED)

Course No. & Hours	Descriptive Title	Days	Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring	Time	
597-1 to 3	Thesis			
1	1	1	To be arranged	staff
598-1 to 3	Thesis			
1	1	1	To be arranged	staff
599-1 to 3	Thesis			
1	1	1	To be arranged	staff
600-1 to 16	Dissertation			
1	1	1	To be arranged	staff

¹ Cross-listed with Elementary Education

SECRETARIAL and BUSINESS EDUCATION (SEC)

201a-3	Typewriting								
1	1	1	1:00-1:50	MTu	ThF	T32	R103	staff	
201b-3									201a
		1	1	1:00-1:50	MTu	ThF	T32	R112	Mr Buboltz
201c-3									201b
1	1	1	9:00-9:50	MTuWTh		T32	R112	staff	
221a-4	Shorthand and Transcription								
1	1	1	12:00-12:50	MTuWThF		T32	R104	staff	
221b-4									221a
		1	1	12:00-12:50	MTuWThF	T32	R103	staff	
221c-4									221b
1		1	11:00-11:50	MTuWThF		T32	R104	Mr Rahe	
241-1	Duplicating								201a
1	1	1	8:00-9:50		F	T32	R112	staff	
2	2	2	10:00-11:50		Th	T32	R112	staff	
3	3	3	12:00-1:50		W	T32	R112	staff	
4	4	4	2:00-3:50	M		T32	R112	staff	
304-3	Advanced Typewriting								201c
1	1	1	9:00-9:50	MTuWTh		T32	R103	Mr West	
324a-4	Advanced Shorthand and Transcription								221c
1	1		11:00-11:50	MTuWThF		T32	R103	Mr Buboltz	
324b-4									324a
		1	1	10:00-10:50	MTuWThF	T32	R103	Mr Rahe	
326-4	Secretarial Practice								324a
1			10:00-10:50	MTuWThF		T32	R103	Mr Bauernfeind	
341-4	Office Calculating Machines								
1	1	1	2:00-2:50	MTuWThF		T32	R104	Mr Bauernfeind	
403-3	Teaching Typewriting								304
1			6:00-7:25 P.M.	M	W	T32	R103	Mr West	
404-3	Teaching Shorthand and Transcription								324A
		1	9:00-11:50		S	T32	R103	Mr Rahe	
405-3	Teaching General Business Subjects								Consent of department
		1	9:00-11:50		S	T32	R104	Mr Buboltz	
406-4	Teaching Office Practice and Office Machines								341
		1	5:45-7:25 P.M.	Tu	Th	T32	R104	Mr Bauernfeind	
407-4	Office Management								Consent of department
1			7:35-9:15 P.M.	M	W	T32	R104	Mr Bauernfeind	
408-3	Teaching Bookkeeping and Accounting								Acct 251C
		1	6:00-7:25 P.M.	Tu	Th	T32	R104	Mr Bauernfeind	
500-2 to 5	Readings in Business Education								Consent of department
1	1	1	To be arranged					staff	
501-2 to 5	Individual Research in Business Education								Consent of department
1	1	1	To be arranged					staff	
502-4	Research in Business Education								Consent of department
1			9:00-11:50		S	T32	R112	Mr West	
503-4	Tests and Measurements in Business Education								Consent of department
		1	5:45-7:25 P.M.	M	W	T32	R112	Mr West	

Course No. & Hours	Descriptive Title	Time	Days	Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring			

504-4	Psychological Bases for Teaching Secretarial Skills	1	5:45-7:25 P.M.	M W	T32 R112	Mr West
599-2 to 9	Thesis	1	1	1	To be arranged	Consent of department staff

SMALL BUSINESS INSTITUTE

Students interested in a program of studies in this field should consult Mr. Ralph Bedwell, Director, Small Business Institute.

SOCIOLOGY (SOC)

102-5	Social Problems	1	11:00-11:50	M F	Wham 208	GSB 201b staff
			11:00-11:50	Tu Th	Wham 205	staff
			11:00-11:50	W	Wham 329	staff
		1	11:00-11:50	MTuWThF	Wham 329	staff
T2			9:00-9:50	MTuWThF	Wham 329	staff
	T2		9:00-9:50	M	Wham 328	staff
			9:00-9:50	Tu Th	Wham 206	staff
			9:00-9:50	W	Wham 228	staff
			9:00-9:50	F	Wham 327	staff
		T2	9:00-9:50	M W	Wham 202	staff
			9:00-9:50	Tu Th	Wham 205	staff
			9:00-9:50	F	Wham 328	staff
305-4	Social Institutions	1	11:00-11:50	MTuWTh	Wham 201	GSB 201b Mr Petroff
306-4	Social Control	1	11:00-11:50	MTuWTh	Wham 201	GSB 201b Mr Petroff
320-4	Race and Minority Group Relations	T1	1:00-1:50	TuWThF	Wham 201	GSB 201b staff
GSB 321-3 ¹	Socialization of the Individual	1	1:00-1:50	M W	Wham 307	GSB 201b staff
			1:00-1:50	F	Wham 317	staff
		T2	4:00-4:50	M W F	Wham 303	staff
322-3	Propaganda and Public Opinion	1	3:00-3:50	TuWTh	Wham 201	GSB 201b Mr Simon
333-4	Community Organization	1	1:00-1:50	MTuWTh	Wham 228	GSB 201b staff
335-4	Urban Sociology	1	3:00-3:50	MTuWTh	Wham 201	GSB 201b Mr Rennie
336-4	Sociology of Rural Life	1	3:00-3:50	TuWThF	Wham 208	GSB 201b Mr Brooks
338-4	Industrial Sociology	1	3:00-3:50	MTuWTh	Wham 228	GSB 201b Mr Rennie
340-4	The Family	T1	3:00-3:50	MTuWTh	Wham 206	GSB 201b Mr Schmitt
		1	3:00-3:50	MTuWTh	Wham 201	Miss Snyder
		T1	3:00-3:50	MTuWTh	Wham 206	staff
GSB 341-3 ¹	Marriage	1	8:00-8:50	M W F	Wham 201	GSB 201b staff
		2	12:00-12:50	MTuW	Wham 327	Miss Snyder
		T3	2:00-2:50	MTuW	Wham 201	Miss Snyder
		T4	6:00-7:25 P.M.	Tu Th	Wham 208	staff
371-4	Population and Migration	1	3:00-3:50	TuWThF	Wham 206	GSB 201b Mr Brooks
372-4	Criminology	1	9:00-9:50	TuWThF	Wham 201	GSB 201b staff
		T1	4:00-4:50	TuWThF	Wham 228	staff

182 SOCIOLOGY (SOC)

Course	No. & Hours	Descriptive Title	Days	Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring	Time		
373-4	Juvenile Delinquency				GSB 201b
1		9:00-9:50	MTuWTh	Wham 206	Mr Petroff
	1	9:00-9:50	MTuWTh	Wham 326	Mr Petroff
380-4	Introduction to Social Work				GSB 201b
1	1	11:00-11:50	MTu ThF	M 102A	Mr Eades
		11:00-11:50	MTu ThF	Wham 201	Mr Eades
383-4	Introduction to Interviewing				GSB 201b
1		9:00-9:50	MTu ThF	Wham 328	Mr Eades
400-2	Current Sociology				8 hrs Soc
1	1	11:00-11:50	M W	Wham 212	Mr Johnson
406-3	Social Change				8 hrs Soc
	T1	4:00-4:50	M W F	Wham 206	staff
407-4	Integrated Sociology				15 hrs Soc
1	1	4:00-4:50	MTuWTh	Wham 327	Mr Simon
412-5	Sociological Research (For undergraduates only)				GSB 201b and Statistics
1	1	9:00-9:50	MTuWThF	Wham 301B	Mr Brooks
412-5	Sociological Research (For Graduate Students only)				GSB 201b and Statistics
2		11:00-11:50	MTuWThF	Wham 301B	Mr Brooks
424-4	Collective Behavior				321 or 322
	1	1:00-1:50	MTuWTh	Wham 208	Mr Johnson
426-4	Social Factors in Behavior and Personality				321 or Psyc 305
	1	11:00-12:40	Tu Th	Wham 205	Mr Campisi
435-4	Social Stratification				GSB 201b
	1	3:00-3:50	MTuWTh	Wham 326	Mr Rennie
449-4	Sociology of Aging				12 hrs Soc
	T1	3:00-3:50	MTuWTh	Wham 201	staff
451-4	Social Thought II: The Sociological Movement				Consent of department
	1	12:00-12:50	MTuWTh	Wham 326	Mr Simon
453-4	Social Movements				8 hrs Soc
	1	11:00-12:40	Tu Th	Wham 205	Mr Campisi
480-2	History and Legal Aspects of Rehabilitation				Consent of Rehabilitation Institute
	1	To be arranged			staff
481-4	Processes in Social Work				380 or consent of instructor
	1	9:00-9:50	MTu ThF	Wham 228	Mr Eades
482-3	Social Work in Selected Agencies				481
	1	9:00-9:50	M	Wham 329	Mr Eades
		9:00-9:50	Tu Th	Wham 206	Mr Eades
483-3	Current Problems in Corrections				Consent of Crime and Corrections Center
	1	To be arranged			Mr Frank
486-1 to 5	Independent Study in Community Development				Consent of C. D. Institute
1	1	To be arranged			staff
487-4	Community Development I				Consent of Community Development Institute
	1	To be arranged			Mr Franklin
488-3	Community Development II				Consent of Community Development Institute
	1	6:30-9:00 P.M.	M	Wham 329	staff
		(Plus 4 extra sessions)			
489A-3	The American Correctional System				Consent of Crime and Corrections Center
	1	To be arranged			Mr Alexander
489B-4	Probation, Classification and Parole				Consent of Corrections Center
	1	To be arranged			Mr Vander Wiel
489D-3	Problems in Correctional Research				Consent of Crime and Corrections Center
	1	To be arranged			Mr Hartung
489E-2 to 4	Independent Study in Corrections				Consent of Corrections Center
1	1	To be arranged			staff
501-4	History of European Sociology				Consent of department
	1	6:30-9:00 P.M.	Tu	Wham 329	Mr Munch
502-4	Seminar in European Sociological Theory: 1800-1910				Consent of department
	1	6:30-9:00 P.M.	Tu	Wham 201	Mr Munch

Course No. & Hours		Descriptive Title		Days		Bldg & Room		Prerequisite Instructor
Fall	Winter	Spring	Time					
503-4	Seminar in European Sociological Theory: 1910 to present							Consent of department
	1	6:30-9:00 P.M.	Tu			Wham 206		Mr Munch
504-4	Seminar in American Sociology I: Foundations							Consent of department
	1	6:30-9:00 P.M.	Th			Wham 201		Mr Johnson
505-4	Seminar in American Sociology II: The Second Generation							Consent of dept.
	1	6:30-9:00 P.M.	Th			Wham 201		Mr Johnson
506-4	Seminar in Contemporary Sociological Theory							Consent of department
	1	6:30-9:00 P.M.	Th			Wham 203		staff
521-4	Seminar in Social Psychology							Consent of department
	1	1:00-4:20	Th			Wham 301B		Mr Campisi
526-4	Quantitative Methods in Sociology I							Consent of department
	1	10:00-10:50	M	W		Wham 137		Mr Schmitt
		2:00-3:40			F	Wham 137		Mr Schmitt
527-4	Quantitative Methods in Sociology II							Consent of department
	1	10:00-10:50	M	W		Wham 212		Mr Schmitt
		2:00-3:40			F	Wham 212		Mr Schmitt
528-4	Quantitative Methods in Sociology III							Consent of department
	1	10:00-10:50	M	W		Wham 137		Mr Schmitt
		2:00-3:40			F	Wham 212		Mr Schmitt
529-4	Sociological Measurement							Consent of department
	1	2:00-3:40	M	W		Wham 137		Mr Simon
530-4	Research Design							Consent of department
	T1	10:00-11:40	Tu	Th		Wham 137		staff
531-4	Research Analysis							Consent of department
	T1	10:00-11:40	Tu	Th		Wham 212		staff
538-4	Seminar in Industrial Sociology							Consent of department
	T1	To be arranged						Mr Rennie
542-4	Seminar on the Family							Consent of department
	1	6:30-9:00 P.M.	M			Wham 329		Mr Lantz
545-4	The Family and Social Change							Consent of department
	1	6:00-8:30 P.M.	M			Wham 205		Miss Snyder
561-4	Alcohol and Society							Consent of department
	1	7:00-9:30 P.M.	W			Wham 205		Mr Snyder
562-4	Deviance and Disorganization							Consent of department
	1	7:00-9:30 P.M.	W			Wham 205		Mr Snyder
563-4	Research Problems in Deviance and Disorganization							Consent of department
	1	7:00-9:30 P.M.	W			Wham 201		Mr Snyder
564-4	Social Factors in Mental Disorders							Consent of department
	1	6:30-9:00 P.M.	M			Wham 212		Mr Lantz
566-4	Community Organization and Disorganization							Consent of department
	1	6:30-9:00 P.M.	M			Wham 326		Mr Lantz
572-4	Seminar in Criminology							Consent of department
	1	To be arranged						Mr Snyder
582-4	Criminal Law and the Correctional Process							Consent of Corrections Center
	1	To be arranged						Mr Hartung
583-4 to 12	Supervised Field Work in Corrections							Consent of Crime and Corrections Center
	1	1	1	To be arranged				Mr Vander Wiel
584-4	Seminar in Correctional Program Management							Consent of Corrections Center
	1	To be arranged						Mr Alexander
586-3	The Change Agent in Planned Change							
	1	6:30-9:00 P.M.	W			Wham 201		staff
587-2 to 8	Individual Research in Community Development							Consent of C. D. Institute
	1	1	1	To be arranged				staff
591-2 to 6	Individual Research							Consent of department
	1	1	1	To be arranged				staff
596-2 to 6	Readings in Sociology							Consent of department
	1	1	1	To be arranged				staff

184 SOCIOLOGY (SOC)

Course No.	No. & Hours	Descriptive Title	Time	Days	Bldg & Room	Prerequisite	Instructor
Fall	Winter	Spring					

599-2 to 9	Thesis					Consent of department	
1	1	1	To be arranged				staff

600-1 to 16	Dissertation					Consent of department	
1	1	1	To be arranged				staff

¹ General Studies Courses (Area B) which are listed for the convenience of sociology students.

SPECIAL EDUCATION (SP E)

200-2	Orientation to Education of Exceptional Children						
1	1	1	10:00-10:50	W F	Wham 210		staff
2	2	2	10:00-10:50	W F	Wham 201		staff

410-4	Problems and Characteristics of the Mentally Retarded						
	1		6:30-9:00 P.M.	W	Wham 212	Mr Rainey	
			(Plus 4 extra sessions)				

412-4	Education of Gifted Children						
1	1	1	6:30-9:00 P.M.	Th	Wham 205	Miss McKay	
			(Plus 4 extra sessions)				

413-4	Directed Observation of Exceptional Children					Consent of department	
	1		10:00-12:50	F	Wham 212	Mr Rainey	

414-4	The Exceptional Child						
1	1	1	6:30-9:00 P.M.	W	Wham 203	Mr Jordan	
			(Plus 4 extra sessions)				

418-4	Workshop in Exceptional Children					Consent of department	
	1		6:30-9:00 P.M.	Tu	Wham 206	Miss McKay	
			(Plus 4 extra sessions)				
	1		To be arranged				staff

419-4 ¹	Communication Problems for the Deaf and Hard of Hearing						
	1		2:00-2:50	MTu ThF	Wham 329	Mr Brutton	

420-4	Methods and Materials for Teaching Exceptional Children					Consent of department	
	1	1	To be arranged			Mr Rainey	

428-4 ¹	Speech Correction for the Classroom Teacher					Junior standing	
	1		1:00-1:50	MTu ThF	Wham 206	Mr Brutton	
		1	1:00-1:50	MTu ThF	Wham 206	Mr Hoshiko	
		1	6:30-9:00 P.M.	M	Wham 203	Mr Brackett	
			(Plus 4 extra sessions)				

501-4	Special Research Problems						
1	1	1	To be arranged				staff

571-2	Special Problems of the Handicapped I						
	1		To be arranged			Mr Doley	
	2		To be arranged			Mr Doley	

572-2	Special Problems of the Handicapped II						
	1		To be arranged			Mr Doley	
	2		To be arranged			Mr Doley	

573-3 to 4	Psychodiagnostic for Special Population					Consent of department	
	1		To be arranged			Miss McKay	

577-4 to 12	Practicum in Special Education						
1	1	1	To be arranged				staff

596-2 to 9	Independent Investigations						
1	1	1	To be arranged				staff

599-2 to 9	Thesis						
1	1	1	To be arranged				staff

SPEECH (SPCH)

102-4	Public Speaking						
	1	1	8:00-8:50	MTuWTh	Stad 102		staff
	2	2	8:00-8:50	MTuWTh	Ag 148		staff
		2	8:00-8:50	MTuWTh	Stad 101		staff

103-4	Oral Interpretation I						
1	1	1	9:00-9:50	MTuWThF	T38 R102	Mrs Kleinau	

Course No. & Hours			Descriptive Title		Days		Bldg & Room		Prerequisite
Fall	Winter	Spring	Time						Instructor
104-4 ¹			Training the Speaking Voice						
1	1	1	9:00-9:50		MTu	ThF	Wham 212		staff
108a-0 to 3 ¹			Speech for Foreign Born						
1			4:00-4:50		MTuWTh		Stad 101		Mr Garbutt
108b-0 to 3 ¹									
	1		3:00-3:50		MTuWTh		Ag 174		Mr Garbutt
		1	3:00-3:50		MTuWTh		Ag 148		Mr Garbutt
200-4 ¹			Phonetics						
1	1	1	2:00-2:50		MTuWTh		T38 R103		Mr Garbutt
201-2			Parliamentary Law						
1	1	1	10:00-10:50			W F	M 213		Mr Breniman
202-3			Principles of Discussion						
1	1	1	1:00-1:50		MTu	Th	T38 R103		Mr Potter
205-3			Principles of Argumentation and Debate						GSD 103
1			2:00-2:50		MTu	Th	Stad 102		Mr Kleinau
209-1			Forensic Activities						
1	1	1	To be arranged						Mr Kleinau
213-4			Speech Composition						GSD 103
1			9:00-9:50		TuW		HEc 208		Mr Breniman
			9:00-9:50			Th	M 213		Mr Breniman
			9:00-9:50			F	Wh 113		Mr Breniman
223-4			Oral Interpretation II						
	1	1	11:00-11:50		TuWThF		T38 R103		Mrs Kleinau
301-4			Persuasion						102
	1		9:00-9:50		MTuWTh		T38 R103		Mr Micken
303-4			Business and Professional Speaking						
	1		To be arranged						staff
304-3			Great Speeches in American and British History						
	1		11:00-11:50		TuWTh		HEc 118		Mr Baird
306-4			Teaching Speech in Secondary Schools						GSD 103
1			8:00-8:50		MTuWTh		USch 117		Mr Buys
309-1			Forensic Activities						
1	1	1	To be arranged						Mr Kleinau
323-4			Oral Interpretation of Prose						103
1			11:00-11:50		MTuWTh		Stad 102		Mrs Kleinau
340-4			Teaching Speech in Elementary Schools						
	1		8:00-8:50		MTuWTh		T32 R102		Mr Buys
407a-4			American Public Address						
1			9:00-9:50		MTuWTh		T38 R103		Mr Bradley
407b-4									
	1		9:00-9:50		MTuW	F	Stad 102		Mr Bradley
408-4			Psychology of Speech						
	1		2:00-2:50		M	WThF	T32 R102		Mr Breniman
417-4			Contemporary Public Address						
	1		11:00-11:50		MTu		Stad 102		Mr Potter
			10:00-11:50			Th	Stad 102		Mr Potter
418-4			British Public Address						
	1		1:00-1:50		M	WThF	T38 R102		Mr Baird
423-4			Oral Interpretation of Poetry						103
	1		2:00-2:50		MTuWTh		Ag 148		Mrs Kleinau
424-4			Oral Interpretation of Dramatic Literature						103
	1		12:00-12:50		MTuWTh		Ag 170		Mrs Harrison
425-3			Techniques of Discussion Leadership						
1			10:00-10:50		M	ThF	T38 R103		Mr Potter
427-4			Secondary School Forensics Program						
	1		2:00-2:50		M	WThF	Ag 146		Mr Breniman
429-4			Experimental Studies in Oral Communication						
	1		3:00-3:50		MTuWTh		Ag 224		Mr Frandsen

186 SPEECH (SPCH)

Course No. & Hours	Descriptive Title	Days	Bldg & Room	Prerequisite Instructor
Fall Winter Spring Time				
434-4	Lecture and Lecture Recital			
1	2:00-4:50	Tu	T38 R102	Mrs Kleinau
449-4	General Semantics			
1	9:00-9:50	MTuWTh	T38 R103	Mr Bradley
450a-4	Laboratory in Interpersonal Communication			
1	6:00-9:00 P.M.	W	T38 R103	staff
450b-4				
1	6:00-9:00 P.M.	W	T38 R103	staff
450c-4				
1	6:00-9:00 P.M.	W	T38 R103	staff
500-4	Survey of Classical Rhetoric			
1	11:00-11:50	MTuWTh	T38 R103	Mr Micken
504-3	Medieval Rhetorical Theory			
1	10:00-10:50	M WTh	T38 R103	Mr Bradley
505-4	Modern Rhetorical Theory			
1	10:00-11:50	W F	HEc 120	Mr Baird
508-4	Seminar: Studies in Discussion			
1	8:00-8:50	MTuWTh	T38 R103	Mr Potter
510-4	Seminar: Percussion and Social Control			
1	11:00-11:50	MTuWTh	T38 R103	Mr Micken
511-3	Teaching the College Speech Course			
1	1:00-1:50	MTu Th	Ag 148	Mr Dedmon
520-3	Philosophical Foundations of Speech			
1	6:30-9:00 P.M.	Tu	HEc 118	Mr Baird
523-3	Seminar: Problems in Interpretation			
1	2:00-2:50	TuW F	Ag 146	Mrs Kleinau
524-3	Seminar: Rhetoric and Public Address			
1	8:00-8:50	MTu Th	T38 R103	Mr Bradley
525-4	Seminar: Speech Education			
1	To be arranged			staff
530-1 to 4	Research Problems			
1 1 1	To be arranged			staff
532-4	Areas and Techniques of Research in Speech			
1	8:00-8:50	MTuWTh	T38 R103	Mr Bradley
599-2 to 9	Thesis			
1 1 1	To be arranged			staff
600-1 to 12	Dissertation			
1 1 1	To be arranged			staff

SPEECH CORRECTION (SP C)

100-0 to 2	Speech Clinic			
1 1 1	To be arranged		T61	staff
104-4 ¹	Training the Speaking Voice			
1 1 1	9:00-9:50	MTu ThF	Wham 212	staff
108a-0 to 3 ¹	Speech for Foreign Born			
1	4:00-4:50	MTuWTh	Stad 101	Mr Garbutt
108b-0 to 3 ¹				
1	3:00-3:50	MTuWTh	Ag 174	Mr Garbutt
	3:00-3:50	MTuWTh	Ag 148	Mr Garbutt
200-4 ¹	Phonetics			
1 1 1	2:00-2:50	MTuWTh	T38 R103	Mr Garbutt
203-4	Introduction to Speech Science			
1	11:00-11:50	MTu ThF	T61	Mr Hoshiko
212-4	Articulatory Problems and Delayed Speech			200
1	11:00-11:50	MTu ThF	Wham 329	Mr Brackett
318-4	Voice and Cleft Palate			212
1	1:00-1:50	MTuWTh	Wham 326	Mr Brackett
319-4	Stuttering			200
1	1:00-1:50	MTu ThF	Wham 329	Mr Brutton

Course No. & Hours		— Descriptive Title		Time	Days	Bldg & Room	Prerequisite
Fall	Winter	Spring					Instructor
400-1 to 4			Independent Studies Speech Correction and Audiology				Junior standing
1	1	1	To be arranged			T61	staff
405a-2 to 4			Practicum in Speech and Hearing Therapy				Junior standing
1			4:00-4:50	W		T61	and consent of department staff
			Additional hours to be arranged				
405b-2 to 4							Junior standing and consent of department
1			4:00-4:50	W		T61	staff
			Additional hours to be arranged				
405c-2 to 4							Junior standing and consent of department
1			4:00-4:50	W		T61	staff
			Additional hours to be arranged				
406-4			Techniques and Interpretation of Hearing Tests				Junior standing
1			8:00-9:50	MTu ThF		T61	Mr Atkinson
409-4			Research Techniques in Speech Science				Junior standing
1			2:00-2:50	MTu ThF		T61	Mr Hoshiko
412-4			Cerebral Palsy				Junior standing
1			9:00-9:50	MTuW F		Wham 329	Mr Anderson
414-4 ²			Anatomy and Physiology of Speech and Hearing Mechanics				Junior standing
1			11:00-11:50	MTu Th		LS 113	Mr Kaplan
			10:00-11:50	F		LS G18	Mr Kaplan
415-4			Aphasia				Junior standing
1			2:00-2:50	MTu ThF		Wham 329	Mr Hoshiko
416-4			Hearing				406
1			8:00-8:50	MTu ThF		T61	Mr Atkinson
419-4 ³			Communication Problems of the Deaf and Hard of Hearing				406
1			2:00-2:50	MTu ThF		Wham 329	Mr Bruten
420-4			Advanced Clinical Audiometry				406, 419
1			8:00-8:50	MTu ThF		T61	Mr Atkinson
428-4 ³			Speech Correction for Classroom Teacher				Junior standing
1			1:00-1:50	MTu ThF		Wham 206	Mr Bruten
	1		1:00-1:50	MTu ThF		Wham 206	Mr Hoshiko
		1	6:30-9:00 P.M.	M		Wham 203	Mr Brackett
			(Plus 4 extra sessions)				
515-1 to 4			Reading in Speech Pathology				
1	1	1	To be arranged			T61	staff
516-1 to 4			Seminar in Residual Hearing				420
1			3:00-4:50	M F		T103	Mr Atkinson
520-1 to 4			Seminar in Hearing				406, 419
1			10:00-11:50	FS		T103	Mr Atkinson
521-1 to 4			Seminar in Articulation and Delayed Speech				212
1			3:00-4:50	Tu Th		T61	Mr Brackett
522a-1 to 4			Seminar in Organic Speech Problems: Developmental Anatomy and Physiology				318
1			4:00-5:50	M Th		T170	Mr Koepp-Baker
522b-1 to 4			Seminar in Organic Speech Problems: Teratology, Surgery, Dentistry				522a
1			9:00-10:50	Tu Th		T170	Mr Koepp-Baker
522c-1 to 4			Seminar in Organic Speech Problems: Neuropathological Bases				522b
1			1:00-2:50	Tu Th		T170	Mr Koepp-Baker
529a-1 to 4			Seminar in Stuttering Behavior				319
1			3:00-4:50	Tu F		T61	Mr Bruten
529b-1 to 4							Graduate, 529a
1			To be arranged				staff
529c-1 to 4							529b
1			3:00-4:50	M Th		T61	Mr Bruten
530-1 to 4			Research Problems in Speech Pathology and Audiology				Graduate
1	1	1	To be arranged			T61	staff

188 SPEECH CORRECTION (SP C)

Course No. & Hours		Descriptive Title		Days		Bldg & Room		Prerequisite
Fall	Winter	Spring	Time					Instructor
531-1 to 4	Seminar in Experimental Phonetics							Graduate
	1		10:00-11:50	Th	S	T103		Mr Atkinson
533-1 to 4	Seminar in Speech Science							Graduate
	1		10:00-11:50	M	F	T61		Mr Hoshiko
534-1 to 4	Seminar in Instrumentation							Graduate
	1		9:00-10:50	M	Th	T61		Mr Hoshiko
599-2 to 9	Thesis							Graduate and consent of department
	1	1	To be arranged			T61		staff
600-1 to 12	Dissertation							Doctoral Candidate and consent of department
	1	1	To be arranged			T61		staff
¹ Cross listed with Speech								
² Cross listed with Physiology								
³ Cross listed with Special Education								

TECHNOLOGY (TECH)

300a-3	Applications of Fundamental Physical Principles							GSD 114c
	1		11:00-11:50	M	W	F	Ag 150	Mr Besterfield
	2		11:00-11:50	M	W	F	Ag 148	Mr Howe
300b-3								300A
	1		11:00-11:50	M	W	F	Ag 146	Mr Besterfield
	2		11:00-11:50	M			Ag 214	Mr Howe
			11:00-11:50		W		Ag 150	Mr Howe
			11:00-11:50			F	Ag 168	Mr Howe
300c-3								300B
	1		11:00-11:50	M	W	F	Ag 146	Mr Besterfield
	2		11:00-11:50	M	W	F	Ag 154	Mr Howe
599-1 to 9	Thesis							Consent of school
	1	1	To be arranged					staff

THEATER (THEA)

106-4	Introduction to Theater							
	1		9:00-9:50	MTuWTh		T36		Mr Zoeckler
111a-3	Staging Techniques							
	1		3:00-3:30	MTuWThF		T36		Mr Zoeckler
111b-3								
	1		3:00-3:30	MTuWThF		T36		Mr Zoeckler
111c-3								
	1		3:00-3:30	MTuWThF		T36		Mr Zoeckler
204-4	Acting							
	1		1:00-2:50	Tu	Th	T36		Mrs Harrison
207-4	Fundamentals of Theatrical Design							Consent of department
	1		10:00-10:50	M	WThF	T36		Mr Payne
208-1 to 3	Dramatic Activities							
	1	1	7:35-9:00 P.M.	Tu	Th	T36		Mr Zoeckler
305-2	Stage Make-up							
	1		9:00-11:00		S	T36		Mrs Harrison
308-1 to 3	Dramatic Activities							Consent of department
	1	1	7:35-9:00 P.M.	Tu	Th	T36		Mr Zoeckler
311-4	Introduction to Playwriting							
	1		9:00-9:50	MTuW	F	Stad 102		Mr Moe
313-4	History of the Theater							
	1		3:00-3:50	MTuW	F	Stad 102		Mr Moe
314-4	Advanced Acting							204
	1		1:00-1:50	MTuWTh		T36		Mr Abrams
322-12	Practicum in Theater							Consent of department
	1		To be arranged			T36		Mr Payne
402a-4	Play Directing							308, 111, 208
	1	1	11:00-11:50	MTuWTh		T36		Mr Zoeckler and Mr Stephenson

Course No. & Hours — Descriptive Title				Days	Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring	Time			
402b-4						402A
	1		11:00-11:50	MTuWTh	T36	Mr McLeod
403-4	Aesthetics of the Drama and Theater					
	1		9:00-9:50	MTuW F	T36	Mr McLeod
404-4	Theater Management					
	1		2:00-2:50	MTuWTh	Stad 101	Mr Abrams
405a-4	Scenic Imagination					
	1		1:00-2:50	M W	Stad 102	Mr Gorelik
405b-4						405A
	1		1:00-2:50	M W	Stad 102	Mr Gorelik
411-4	Playwriting					311
	1		9:00-9:50	Th	Stad 102	Mr Moe
			9:00-11:50	S	Stad 102	Mr Moe
412-4	Stage Design					207
	1		12:00-1:00	MTuWTh	Stad 102	Mr Payne
414-4	Costume Design					
	1		10:00-10:50	MTuWThF	T36	Mrs Harrison
415-4	Advanced Costume Design					414
	1		10:00-10:50	MTuWThF	T36	Mrs Harrison
432-4	Stage Lighting				111a, 111b or 111c	
	1		10:00-11:50	S	T36	Mr Zoeckler
	1		3:00-4:50	F	T36	Mr Zoeckler
438-4	Contemporary Developments in Theater				One theater course	
	1		1:00-1:50	MTu ThF	Ag 170	Mr Moe
502-4	Advanced Directing				402A and 402B	
	1		2:00-2:50	MTuWTh	T36	Mr Abrams
505-4	Tragic Theater					
	1		1:00-1:50	MTuWTh	Stad 102	Mr Abrams
506-4	The American Theater					
	1		1:00-1:50	MTu	Stad 101	Mr Abrams
			1:00-1:50	ThF	Stad 102	Mr Abrams
509-4	High School Theater and Its Production Problems					
	1		10:00-10:50	TuWThF	T36	Mr Zoeckler
519-12	Theater Practicum				Consent of department	
	1		To be arranged		T36	Mr Payne
530-1 to 4	Research Problems in Theater				Consent of department	
	1	1	To be arranged		T36	staff
599-1 to 9	Thesis				Consent of department	
	1	1	To be arranged		T36	staff

TRANSPORTATION INSTITUTE

Students interested in this field should consult Mr. Alexander R. MacMillan, Director, Transportation Institute.

ZOOLOGY (ZOO)

102-5	General Invertebrate Zoology				100 or GSA 201b
	1		2:00-2:50	Tu Th	LS 133 Mr Blackwelder
			1:00-2:50	M W F	LS 130 staff
	1		3:00-3:50	M W	LS 133 Mr Blackwelder
			3:00-4:50	Tu ThF	LS 130 staff
	1		2:00-2:50	Tu Th	LS 205 Mr Blackwelder
			1:00-2:50	M W F	LS 130 Mr Blackwelder
	2		2:00-2:50	Tu Th	LS 133 Mr Blackwelder
			8:00-9:50	M W F	LS 130 staff
	2		3:00-3:50	M W	LS 133 Mr Blackwelder
			8:00-9:50	Tu Th S	LS 130 staff
	2		2:00-2:50	Tu Th	LS 205 Mr Blackwelder
			8:00-9:50	M W F	LS 130 staff

190 ZOOLOGY (ZOOLOGY)

Course No. & Hours	Descriptive Title			Days	Bldg & Room	Prerequisite Instructor			
Fall	Winter	Spring	Time						
102-5 General Invertebrate Zoology						100 or GSA 201b			
3			2:00–2:50	Tu Th	LS 133	Mr Blackwelder			
			10:00–11:50	M W F	LS 130	staff			
			3:00–3:50	M W	LS 133	Mr Blackwelder			
			8:00–9:50	M W F	LS 130	staff			
			2:00–2:50	Tu Th	LS 205	Mr Blackwelder			
			11:00–12:50	M W F	LS 130	staff			
			2:00–2:50	Tu Th	LS 133	Mr Blackwelder			
			3:00–4:50	M W F	LS 130	staff			
			3:00–3:50	M W	LS 133	Mr Blackwelder			
			6:00–8:45 P.M.	Tu Th	LS 130	staff			
T4			2:00–2:50	Tu Th	LS 133	Mr Blackwelder			
			3:00–4:50	M W F	LS 130	staff			
			3:00–3:50	M W	LS 133	Mr Blackwelder			
			5:45–7:25 P.M.	Th	LS 130	staff			
5			2:00–2:50	Tu Th	LS 133	Mr Blackwelder			
			5:45–9:15 P.M.	Tu	LS 130	staff			
			5:45–7:25 P.M.		LS 130	staff			
103-5 General Vertebrate Zoology						100 or GSA 201b			
1			8:00–8:50	M W	LS 205	Mr Galbreath			
			8:00–9:50	Tu Th S	LS 208	staff			
			8:00–8:50	M W	LS 205	Mr Cole			
			8:00–9:50	Tu Th S	LS 208	Mr Brandon			
			9:00–9:50	M W	LS 205	Mr Galbreath			
			8:00–9:50	Tu Th S	LS 208	Mr Cole			
			8:00–8:50	M W	LS 205	Mr Galbreath			
			1:00–3:50	Tu Th	LS 208	staff			
			8:00–8:50	M W	LS 205	Mr Cole			
			11:00–12:50	Tu Th	LS 208	Mr Cole			
			10:00–11:50		LS 208	Mr Cole			
			9:00–9:50	M W	LS 205	Mr Galbreath			
			1:00–2:50	M W F	LS 208	staff			
			8:00–8:50	M W	LS 205	Mr Galbreath			
			10:00–11:50	Tu Th S	LS 208	staff			
			8:00–8:50	M W	LS 205	Mr Cole			
			6:00–8:45 P.M.	Tu Th	LS 208	staff			
			9:00–9:50	M W	LS 205	Mr Galbreath			
			10:00–11:50	Tu Th S	LS 208	staff			
			8:00–8:50	M W	LS 205	Mr Cole			
			1:00–2:50	M W F	LS 208	staff			
			202-5 Comparative Anatomy of Vertebrates						103
			1			9:00–9:50	Tu Th	LS 205	Mr Gersbacher
						8:00–9:50	M W F	LS 208	staff
						8:00–8:50	Tu Th	LS 205	Mr Galbreath
						8:00–9:50	M W F	LS 208	staff
						9:00–9:50	Tu Th	LS 205	Mr Gersbacher
						1:00–2:50	M W F	LS 208	staff
8:00–8:50	Tu Th	LS 205				Mr Galbreath			
10:00–11:50	M W F	LS 208				staff			
9:00–9:50	Tu Th	LS 205				Mr Gersbacher			
3:00–4:50	M W F	LS 208				staff			
300-5 Vertebrate Embryology						202			
1						8:00–8:50	Tu Th	LS 205	Mr Hendrickx
			8:00–9:50	M W F	LS 213	staff			
			1:00–1:50	Tu Th	LS 205	Mr Hendrickx			
			1:00–2:50	M W F	LS 213	Mr Hendrickx			
			3:00–3:50	Tu Th	LS 205	Mr Hendrickx			
			3:00–4:50	M W F	LS 213	Mr Hendrickx			
			8:00–8:50	Tu Th	LS 205	Mr Hendrickx			
			10:00–11:50	M W F	LS 213	staff			
			1:00–1:50	Tu Th	LS 205	Mr Hendrickx			
			3:00–4:50	M W F	LS 213	staff			

Course No. & Hours		Descriptive Title		Days		Bldg & Room		Prerequisite Instructor
Fall	Winter	Spring	Time					
		2	3:00-3:50	Tu	Th	LS 205	Mr Hendrickx	
			8:00-9:50	Tu	Th S	LS 213	Mr Haas	
303-4	General Ornithology						one year of biology	
	1		8:00-8:50	Tu	Th	LS 204	Mr Fisher	
			7:00-8:50 A.M.	M	W	LS 204	Mr Fisher	
	2		8:00-8:50	Tu	Th	LS 204	Mr Fisher	
			6:00-7:50 A.M.	Tu	Th	LS 204	staff	
306-4	Entomology							102
	1		1:00-1:50	Tu	Th	LS 205	Mr Downey	
			2:00-3:50	Tu	Th	LS 213	Mr Downey	
	2		1:00-1:50	Tu	Th	LS 205	Mr Downey	
			1:00-2:50	M	W	LS 213	Mr Downey	
310-5	Animal Ecology							102, 103
	1		10:00-10:50	Tu	ThF	LS 205	Mr Gersbacher	
			8:00-9:50	M	W	LS 209	Mr Gersbacher	
			(Saturday field trips required)					
	2		10:00-10:50	Tu	ThF	LS 205	Mr Gersbacher	
			10:00-11:50	M	W	LS 209	staff	
			(Saturday field trips required)					
316-4	Insect Pests and Their Control							100 or GSA 201b
	1		2:00-2:50	M	W	LS 205	Mr Downey	
			1:00-2:50	Tu	Th	LS 208	Mr Downey	
321-5	Histological Technique							one year zoology
	1		9:00-9:50	Tu	Th	LS 205	Mr Haas	
			8:00-9:50	M	W F	LS 209	Mr Haas	
322-2 to 5	Problems in Zoology							4.25 avg, sr. standing, consent of department
	1	1	To be arranged			LS 209	staff	
382A-1/2	Senior Zoology Seminar							major or minor in Zool., Sr. standing
	1		4:00-4:50	Tu		LS 205	staff	
382B-1/2								major or minor in Zool., Sr. standing
	1		4:00-4:50	Tu		LS 205	Mr Gersbacher	
382C-1/2								major or minor in Zool., Sr. standing
	1		4:00-4:50	Tu		LS 133	Mr Hendrickx	
400-2	Animal Taxonomy							One year biology or consent of department
	1		10:00-10:50	W	F	LS 205	Mr Blackwelder	
401-5	Genetics							15 hrs biology and consent of department
	1		1:00-1:50	Tu	Th	LS 205	Mr Englert	
			8:00-9:50	Tu	Th S	LS 213	staff	
	1		2:00-2:50	Tu	Th	LS 205	Mr Englert	
			1:00-2:50	M	W F	LS 209	Mr Englert	
	1		3:00-3:50	Tu	Th	LS 323	Mr Englert	
			3:00-4:50	M	W F	LS 208	staff	
	2		1:00-1:50	Tu	Th	LS 205	Mr Englert	
			10:00-11:50	Tu	Th S	LS 213	staff	
	2		2:00-2:50	Tu	Th	LS 205	Mr Englert	
			3:00-4:50	M	W F	LS 209	staff	
402-4	Natural History of Invertebrates							One year zoology incl. 102
	1		3:00-3:50	M	W	LS 130	Mr Walter	
			2:00-3:50	Tu	Th	LS 130	Mr Walter	
403-4	Natural History of Vertebrates							One year zoology incl. 103
	1		8:00-8:50	M	W	LS 204	Mr Brandon	
			8:00-11:50		S	LS 204	Mr Brandon	
404-2 to 8	Zoology Field Studies							Consent of instructor
	1	1	To be arranged				staff	
406-4	Protozoology							One year zoology incl. 102 or consent of instructor
	1		11:00-11:50	M	W	LS 204	Mr Garoian	
			10:00-11:50	Tu	Th	LS 213	Mr Garoian	

192 ZOOLOGY (ZOOLOGY)

Course No. & Hours	—	Descriptive Title	Time	Days	Bldg & Room	Prerequisite Instructor
407-5	Parasitology				One year zoology incl. 102	
1		3:00-3:50	Tu Th	LS 205	Mr Garoian	
		3:00-4:50	M W F	LS 213	Mr Garoian	
408-4	Herpetology				One year zoology incl. 103	
1		1:00-1:50	M W	LS 204	Mr Brandon	
		1:00-2:50	Tu Th	LS 204	Mr Brandon	
409-5	Histology of Organs				202	
1		11:00-11:50	Tu Th	LS 205	Mr Haas	
		1:00-2:50	M W F	LS 213	staff	
410-4	Vertebrate Paleontology				One year zoology incl. 202 or Geol 301	
1		3:00-3:50	Tu Th	LS 208	Mr Galbreath	
		3:00-4:50	M W	LS 208	Mr Galbreath	
413-5	The Invertebrates				One year zool. incl. 102	
1		1:00-1:50	Tu Th	LS 213	Mr Walter	
		1:00-2:50	M W F	LS 130	Mr Walter	
414-4	Freshwater Invertebrates				One year zool. incl. 102	
1		9:00-9:50	M W	LS 204	Mr Walter	
		8:00-9:50	Tu Th	LS 130	staff	
441-4	Advanced Vertebrate Embryology				300	
1		2:00-2:50	M W	LS 205	Mr Haas	
		1:00-2:50	Tu Th	LS 213	Mr Haas	
459-4	Game Birds				one year zool incl. 103	
1		5:45-7:25 P.M.	Tu	LS 205	Mr Klimstra	
		8:00-11:50	S	LS 204	Mr Klimstra	
461-4	Mammalogy				one year zool incl. 103	
1		11:00-11:50	Tu Th	LS 205	Mr Stains	
		8:00-11:50	S	LS 204	Mr Stains	
463-4	Game Management				15 hrs biology and consent of department	
1 ¹		5:45-7:25 P.M.	M	LS 205	Mr Stains	
		1:00-4:50	F	LS 204	staff	
2 ²		5:45-7:25 P.M.	M	LS 205	Mr Stains	
		8:00-11:50	F	LS 204	staff	
465-4	Ichthyology				one year zool incl. 103	
1		1:00-1:50	M W	LS 205	Mr Lewis	
		1:00-2:50	Tu Th	LS 204	Mr Lewis	
466-4	Fish Management				one year zoology	
1		11:00-11:50	MTu Th	LS 204	Mr Lewis	
		10:00-11:50	W	LS 209	Mr Lewis	
508-4	Helminthology				Consent of department	
1		9:00-9:50	Tu Th	LS 205	Mr Garoian	
		8:00-9:50	M W	LS 213	Mr Garoian	
510-4	Bioecology				Consent of department	
1		8:00-8:50	Tu Th	LS 204	Mr Gersbacher	
		8:00-11:50	S	LS 209	Mr Gersbacher	
511-4	Limnology				Consent of department	
1		7:35-9:15 P.M.	W	LS 205	Mr Gersbacher	
		8:00-11:50	S	LS 209	Mr Gersbacher	
512-3	Animal Geography				Consent of department	
1		6:00-7:25 P.M.	M Th	LS 205	Mr Gersbacher	
513-3	Advanced Ornithology				Consent of department	
1		8:00-8:50	M W	LS 204	Mr Fisher	
		8:00-9:50	Tu	LS 204	Mr Fisher	
520-5	Advanced Invertebrates				Consent of department	
1		10:00-10:50	W F	LS 130	Mr Blackwelder	
		10:00-11:50	Tu Th S	LS 130	Mr Blackwelder	
540-3	Factors in Animal Reproduction				Consent of department	
1		6:00-7:25 P.M.	Tu Th	LS 205	Mr Haas	

Course No. & Hours — Descriptive Title			Days			Bldg & Room		Prerequisite Instructor
Fall	Winter	Spring	Time					
560-3	Advanced Game Management					Consent of department		
1			1:00-1:50	M	W	F	LS 205	Mr Klimstra
566-4	Fish Culture					Consent of department		
	1		2:00-2:50	M	W		LS 205	Mr Lewis
			1:00-4:50			F	LS 209	Mr Lewis
578-4	Population Genetics					Consent of department		
	1		10:00-10:50	Tu	W	Th	F	LS 204
								Mr Englert
581-3	Readings in Current Zoological Literature					Consent of department		
1			2:00-2:50	M	Tu	W	LS 204	Mr Fisher
582A-½	Graduate Zoology Seminar					Consent of department		
1			4:00-4:50			Th	LS 205	staff
582b-½						Consent of department		
	1		4:00-4:50			Th	LS 205	Mr Stains
582c-½						Consent of department		
	1		4:00-4:50		Tu		LS 133	Mr Haas
583A-1	The Teaching of Zoology in College					Consent of department		
1			6:00-6:50 P.M.		W		LS 205	Mr Fisher
583B-1						Consent of department		
	1		6:00-6:50 P.M.		W		LS 205	Mr Fisher
583C-1						Consent of department		
	1		6:00-6:50 P.M.		W		LS 205	Mr Fisher
584A-1	Protozoology Seminar					Consent of department		
1			To be arranged				LS 204	Mr Kudo
584B-1						Consent of department		
	1		To be arranged				LS 204	Mr Kudo
584C-1						Consent of department		
	1		To be arranged				LS 204	Mr Kudo
596-3 to 12	Special Research in Zoology					Consent of department		
1	1	1	To be arranged				LS 209	staff
599-2 to 9	Master's Research and Thesis					Consent of department		
1	1	1	To be arranged				LS 207	staff
600-3 to 12	Doctoral Research and Thesis					Consent of department		
1	1	1	To be arranged				LS 209	staff

¹ Open only to forestry students

² Open only to zoology students

Vocational-Technical Institute

Course No. & Hours — Descriptive Title Days Bldg & Room Prerequisite Instructor
Fall Winter Spring Time

GSA

101a-3	Introduction to Physical Science							
		A1	8:00-8:50	M	W	F	U-1	Mr Collins
		A1	9:00-9:50	M	W	F	U-1	Mr Collins
	A1	A2	10:00-10:50	M	W	F	U-1	Mr Collins
	A2	A2	11:00-11:50	M	W	F	U-1	Mr Collins
	A3	A3	1:00-1:50	M	W	F	U-1	Mr Collins
		A3	2:00-2:50	M	W	F	U-1	Mr Collins

101b-3								
	A1		9:00-9:50	M	W	F	U-2	Mr Harbison
	A2		11:00-11:50	M	W	F	U-2	Mr Harbison
	A3		3:00-3:50	M	W	F	U-2	Mr Harbison
		A1	8:00-8:50	M	W	F	U-2	Mr Harbison
		A2	2:00-2:50	M	W	F	U-2	Mr Harbison
		A1	11:00-11:50	M	W	F	U-2	Mr Harbison
		A2	1:00-1:50	M	W	F	U-2	Mr Harbison

GSB

201c-3	Culture, Society, and Behavior (Sociology)							
	A1		8:00-8:50	M	WTh		A-Vault II	Mr McCarty
		A1	9:00-9:50	M	WTh		A-Vault II	Mr McCarty
	A2	A1	10:00-10:50	M	WTh		A-Vault II	Mr McCarty
	A4	A2	11:00-11:50	M	WTh		A-Vault II	Mr McCarty
		A3	1:00-1:50	M	WTh		A-Vault II	Mr McCarty
	A3	A4	2:00-2:50	M	WTh		A-Vault II	Mr McCarty
		A4	3:00-3:50	M	WTh		A-Vault II	Mr McCarty

211a-3	Political Economy							
	A1	A1	2:00-2:50	M	W	F	H-3	Mr McDermott

211b-3								
	A1		9:00-9:50	M	W	F	C-0	Mr Bietto
	A2		11:00-11:50	M	W	F	C-0	Mr Bietto
	A3		2:00-2:50	M	W	F	C-0	Mr Bietto
	A4		3:00-3:50	M	W	F	C-0	Mr Bietto
		A1	8:00-8:50	M	W	F	C-0	Mr Bietto
		A2	10:00-10:50	M	W	F	C-5	Mr Bietto
		A2	11:00-11:50	M	W	F	C-0	Mr Bietto
		A3	1:00-1:50	M	W	F	C-0	Mr Bietto
		A3	1:00-1:50	M	W	F	C-6	Mr Bietto
		A4	3:00-3:50	M	W	F	C-0	Mr Bietto
		A4	2:00-2:50	M	W	F	C-0	Mr Bietto

GSD

VTIG 100-0	English Composition: Grammar and Usage							
	A1	A1	10:00-10:50	M	W	F	C-5	staff
	A2		11:00-11:50	M	W	F	C-8	staff
	A3		2:00-2:50	M	W	F	C-8	staff
		A1	11:00-11:50	M	W	F	C-6	staff
		A2	3:00-3:50	M	W	F	A-Vault II	staff
		A3	1:00-1:50	M	W	F	C-7	staff
		A2	4:00-4:50	M	W	F	C-5	staff

Course No. & Hours — Descriptive Title Days Bldg & Room Prerequisite
Fall Winter Spring Time Instructor

101a-3 English Composition VTIG 100 or satisfactory score on placement examination						
A1	A1	8:00-8:50	M	W	F	staff
A2		10:00-10:50	M	W	F	staff
	A2	10:00-10:50	M	W	F	staff
A3		11:00-11:50	M	W	F	staff
A4	A3	11:00-11:50	M	W	F	staff
A5		12:00-12:50	M	W	F	staff
A6	A5	2:00-2:50	M	W	F	staff
A7	A4	2:00-2:50	M	W	F	staff
A8		4:00-4:50	M	W	F	staff
A9		4:00-4:50	M	W	F	staff
A10		4:00-4:50	M	W	F	staff
	A1	8:00-8:50	M	W	F	staff
	A2	9:00-9:50	M	W	F	staff
	A4	A3	1:00-1:50	M	W	staff
	A6	A5	3:00-3:50	M	W	staff
	A7		3:00-3:50	M	W	staff

101b-3 101a						
A1		8:00-8:50	M	W	F	staff
A2		10:00-10:50	M	W	F	staff
A3		3:00-3:50	M	W	F	staff
	A1	8:00-8:50	M	W	F	staff
	A2	9:00-9:50	M	W	F	staff
	A3	11:00-11:50	M	W	F	staff
	A4	A4	4:00-4:50	M	W	staff
		A1	8:00-8:50	M	W	staff
		A2	9:00-9:50	M	W	staff
		A3	2:00-2:50	M	W	staff

103-3 Oral Communication of Ideas						
A1	A1	A1	8:00-8:50	MTuWTh	A-Vault I	Mr Workun
A2	A5		9:00-9:50	MTuWTh	A-Vault I	Mr Workun
A3	A2	A2	10:00-10:50	MTuWTh	A-Vault I	Mr Workun
A4			10:00-10:50	MTuWTh	H-3	Mr Workun
A5	A3	A3	2:00-2:50	MTuWTh	A-Vault I	Mr Workun
	A4		3:00-3:50	MTuWTh	A-Vault I	Mr Workun

VTIG 106-0 Elementary Mathematics						
1			3:00-3:50	MTuWTh	C-6	staff
	1	1	8:00-8:50	MTuWTh	C-8	staff
	2	2	4:00-4:50	MTuWTh	C-7	staff

114a-3 College Algebra and Trigonometry H. S. Math or VTIG 106						
A1	A1	9:00-9:50	M	W	F	staff
A2		3:00-3:50	M	W	F	staff
	A1	10:00-10:50	M	W	F	staff
	A2	A2	11:00-11:50	M	W	staff
	A3		2:00-2:50	M	W	staff
		A3	1:00-1:50	M	W	staff
		A4	4:00-4:50	M	W	staff

114c-3						
	A1	11:00-11:50	M	W	F	staff
	A2	2:00-2:50	M	W	F	staff
		A1	9:00-9:50	M	W	staff
		A2	11:00-11:50	M	W	staff
		A3	3:00-3:50	M	W	staff

VTI A

101A-5 Automotive Laboratory—Engines						
1	1	8:00-10:50	MTuWThF	Bldg 2 AS	Mr White	
2		11:30-2:50	MTuW F	Bldg 2 AS	Mr McDonald	

196 VOCATIONAL-TECHNICAL INSTITUTE (VTI A)

Course No. & Hours		Descriptive Title		Days		Bldg & Room		Prerequisite Instructor
Fall	Winter	Spring	Time					
101B-5	Automotive Laboratory—Brake and Steering							
1			3:00-5:50	MTuWThF		Bldg 2 AS		Mr Ray
	1	1	11:30-2:50	MTuW F		Bldg 2 AS		Mr Ray
101c-5	Automotive Laboratory—Ignition and Carburetion							
	1		3:00-5:50	MTuWThF		Bldg 2 AS	Mr McDonald	101a
		1	8:00-10:50	MTuWThF		Bldg 2 AS	Mr McDonald	
		2	3:00-5:50	MTuWThF		Bldg 2 AS	Mr White	
125A-5	Automotive Theory—Internal Combustion Engines							
1	1		11:00-11:50	MTuWThF		Bldg 2 Cl	Mr White	
2			3:00-3:50	MTuWThF		Bldg 2 Cl	Mr McDonald	
125B-5	Automotive Theory—Chassis and Brake Systems							
1			11:00-11:50	MTuWThF		Bldg 2 Cl	Mr Ray	
	1	1	3:00-3:50	MTuWThF		Bldg 2 Cl	Mr Ray	
125c-5	Automotive Theory—Ignition and Carburetion							
	1		2:00-2:50	MTuWThF		Bldg 2 Cl	Mr McDonald	125a
		1	11:00-11:50	MTuWThF		Bldg 2 Cl	Mr McDonald	
		2	2:00-2:50	MTuWThF		Bldg 2 Cl	Mr White	
201a-5	Automotive Laboratory—Drive Trains							
1			2:00-4:50	MTuWThF		Bldg 1 AS	Mr Willey	101c
	1		2:00-4:50	MTuWThF		Bldg 1 AS	Mr Jones	
201b-5	Automotive Laboratory—Transmissions							
	1	1	9:00-11:50	MTuWThF		Bldg 1 AS	Mr Willey	201a
201c-5	Automotive Laboratory—Engine Rebuilding							
1			9:00-11:50	MTuWThF		Bldg 1 AS	Mr Jones	101c
		1	2:00-4:50	MTuWThF		Bldg 1 AS	Mr Jones	
220a-3	Automotive Theory—Transmissions and Drive Trains							
1	1		11:00-11:50	M W F		Bldg 1 Cl	Mr Willey	125c
220b-5	Automotive Theory—Automatic Transmissions							
	1	1	8:00-8:50	MTuWThF		Bldg 1 Cl	Mr Willey	220a
220c-3	Automotive Theory—Engine Rebuilding							
1			8:00-8:50	M W F		Bldg 1 Cl	Mr Jones	125c
		1	12:00-12:50	M W F		Bldg 1 Cl	Mr Jones	

VTI B

101A-7	Accounting							
1	1		8:00-9:50	MTuWThF		C-6		staff
2			10:00-11:50	MTuWThF		C-6		Mr Vaughn
3			1:00-2:50	MTuWThF		C-6		Mr Vaughn
101B-5								101A
	1		9:00-9:50	MTuWThF		C-2		Mr Vaughn
	2		3:00-3:50	MTuWThF		C-6		Mr Vaughn
101C-4								101B
		1	11:00-11:50	MTuWThF		C-6		Mr Vaughn
		2	2:00-2:50	MTuWThF		C-6		Mr Vaughn
104-5	Secretarial Accounting							
1	1		8:00-8:50	MTuWThF		C-2		Mr Bizzel
126-3	Fundamentals of Business							
1	1		1:00-1:50	M W F		C-6		Miss Garrison
		1	1:00-1:50	M W F		C-2		Mr Bizzel
	2		4:00-4:50	M W F		C-8		staff
130-4	Job Cost Accounting							101B
1		1	11:00-11:50	MTuWThF		C-2		Mr Cundiff
201A-4	Accounting							101C
1			10:00-10:50	MTuWThF		C-2		Mr Cundiff
201B-4								201A
		1	9:00-9:50	MTuWThF		C-2		Mr Cundiff
204-4	Process Cost Accounting							130
1			9:00-9:50	MTuWThF		C-2		Mr Cundiff
2			2:00-2:50	MTuWThF		C-2		Mr Cundiff

VOCATIONAL-TECHNICAL INSTITUTE (VTI B) 197

Course No.	Hours —		Descriptive Title	Time	Days	Bldg & Room	Prerequisite Instructor
	Fall	Winter	Spring				
226A-4	Business Law						
1	1	1		3:00–3:50	MTuWTh	C-7	staff
226B-4							
		1		3:00–3:50	MTuWTh	C-2	Mr Cundiff
227-5	Office Administration & Supervision						
1			1	11:00–11:50	MTuWThF	C-5	Mr Bizzel
		1		4:00–4:50	MTuWThF	C-6	Mr Cundiff
230-5	Auditing						
			1	10:00–10:50	MTuWThF	C-2	Mr Cundiff
233-5	Federal Taxes						
		1		10:00–10:50	MTuWThF	C-2	Mr Cundiff
235-4	Business Statistics						
1	1			8:00–8:50	MTuWThF	C-5	Mr Vaughn
		2		2:00–2:50	MTuWThF	C-6	Mr Vaughn
275-4	Credits and Collections						
		1		2:00–2:50	MTuWThF	C-0	Mr Bizzel

VTI C

101A-9	Cosmetology Laboratory					
1			8:00-11:50	MTuWThF	C Lab 1	Mrs Hedges
2			9:00-12:50	MTuWThF	C Lab 2	staff
3			1:00-4:50	MTuW F	C Lab 1	Mrs Cassidy
			2:00-5:50	Th	C Lab 1	Mrs Cassidy
4			1:00-4:50	MTuW F	C Lab 2	Mrs McVey
			2:00-5:50	Th	C Lab 2	Mrs McVey
	1		1:00-4:50	MTuW F	C Lab 1	Mrs Hedges
			2:00-5:50	Th	C Lab 1	Mrs Hedges
101B-9						
	1		8:00-11:50	MTuWThF	C Lab 2	Mrs Cassidy
	2		9:00-12:50	MTuWThF	C Lab 1	Mrs McVey
	3		1:00-4:50	MTuW F	C Lab 2	staff
			2:00-5:50	Th	C Lab 2	staff
		1	1:00-4:50	MTuW F	C Lab 1	Mrs Cassidy
			2:00-5:50	Th	C Lab 1	Mrs Cassidy
101C-9						
		1	8:00-11:50	MTuWThF	C Lab 1	Mrs Hedges
		2	9:00-12:50	MTuWThF	C Lab 2	staff
		3	1:00-4:50	MTuW F	C Lab 2	Mrs McVey
			2:00-5:50	Th	C Lab 2	Mrs McVey
125A-5	Cosmetology Theory					
1			2:00-2:50	MTuWThF	Cos Cl	Mrs Hedges
2			8:00-8:50	MTuWThF	Cos Cl	staff
3			10:00-10:50	MTuWThF	Cos Cl	Mrs Cassidy
4			11:00-11:50	MTuWThF	Cos Cl	Mrs McVey
	1		11:00-11:50	MTuWThF	Cos Cl	Mrs Hedges
125B-5						
	1		1:00-1:50	MTuWThF	Cos Cl	Mrs Cassidy
	2		8:00-8:50	MTuWThF	Cos Cl	Mrs McVey
	3		10:00-10:50	MTuWThF	Cos Cl	staff
		1	11:00-11:50	MTuWThF	Cos Cl	Mrs Cassidy
125C-5						
		1	2:00-2:50	MTuWThF	Cos Cl	Mrs Hedges
		2	8:00-8:50	MTuWThF	Cos Cl	staff
		3	10:00-10:50	MTuWThF	Cos Cl	Mrs McVey

VTI D

101A-7	Graphics					
1			2:00-4:50	MTuWThF	T-1	Mr Lampman

198 VOCATIONAL-TECHNICAL INSTITUTE (VTI D)

Course No. & Hours		Descriptive Title		Days		Bldg & Room		Prerequisite
Fall	Winter	Spring	Time					Instructor
101B-7								
	1		2:00-4:50	MTuWThF		T-1		Mr Lampman
101C-7								
		1	2:00-4:50	MTuWThF		T-1		Mr Lampman
110-5	Architectural Drafting							
	1		1:00-4:50	M	W	F	T-5	Mr Trotter
	2		8:00-11:50	M	W	F	T-5	Mr Trotter
		1	8:00-11:50	M	W	F	Bldg 3	Mr Trotter
121A-4	Architectural Design							110
	1		1:00-3:50	M	W	F	T-5	staff
		1	2:00-4:50	M	W	F	Bldg 3	Mr Chiles
	2		1:00-3:50	M	W	F	T-7	Mr Trotter
121B-4								110
		1	1:00-3:50	Tu		F	T-7	staff
			2:00-4:50			Th	T-7	staff
		2	1:00-3:50	Tu		F	T-5	Mr Trotter
			2:00-4:50			Th	T-5	Mr Trotter
127-3	Electrical, Hydraulic, and Pneumatic Controls							101C
	1		12:00-1:50	Tu	Th		T-1	Mr Beauchamp
146A-3	Freehand Architectural Graphics							
	1		8:00-10:50	Tu	Th		T-5	staff
	2		2:00-4:50		Th		T-5	staff
			1:00-3:50	Tu			T-5	staff
	1		8:00-10:50	Tu	Th		Bldg 3	staff
146B-3								146A
	1		2:00-4:50	Tu	Th		T-5	staff
	2		1:00-3:50	Tu			T-7	Mr Lete
			2:00-4:50		Th		T-7	Mr Lete
		1	2:00-4:50	Tu	Th		Bldg 3	Mr Chiles
147-3	History of Architecture							
	1		8:00-8:50	M	W	F	T-6	Mr Lougeay
	2		2:00-2:50	M	W	F	T-6	Mr Lougeay
		1	11:00-11:50	Tu	Th		T-6	Mr Chiles
			12:00-12:50		W		T-6	Mr Chiles
150-3	Basic Materials of Construction							
	1		8:00-8:50	M	W	F	T-6	Mr Chiles
		1	10:00-10:50	M	W	F	T-6	Mr Chiles
151-3	Materials and Methods of Construction							110
		1	1:00-4:50	M	W		T-7	Mr Trotter
			11:00-11:50		W		T-7	Mr Trotter
		2	1:00-4:50	M	W		T-5	staff
			11:00-11:50		W		T-5	staff
152-2	Site Engineering							110; GSD 114c
	1		2:00-4:50	Tu	Th		T-6	Mr Chiles
	2		8:00-10:50	Tu	Th		T-6	Mr Chiles
153-4	Mechanics and Strength of Materials							GSD 114c
		1	11:00-11:50	MTu	ThF		T-6	Mr Chiles
175A-3	Technical Drafting							
	1		2:00-2:50	MTuWThF		T-1		Mr Beauchamp
	2		9:00-9:50	MTuWThF		T-1		Mr Lampman
175B-3								175A
	1		12:00-12:50	MTuWThF		T-1		Mr Soderstrom
175C-3								175B
		1	12:00-12:50	MTuWThF		T-1		Mr Soderstrom
201A-7	Machine Drafting and Design							
	1		8:00-10:50	MTuWThF		T-1		Mr Beauchamp
201B-7								201A
	1		8:00-10:50	MTuWThF		T-1		Mr Beauchamp

VOCATIONAL-TECHNICAL INSTITUTE (VTI D) 199

Course No. & Hours		Descriptive Title		Days		Bldg & Room		Prerequisite Instructor
Fall	Winter	Spring	Time					
201C-7		1	8:00-10:50	MTuWThF		T-1		201B Mr Beauchamp
210A-3	Construction							250
1			5:00-5:50	MTuWThF		Bldg 4 Lab		staff
210B-3		1	4:00-4:50	MTuWThF		Bldg 4 Lab		210A staff
210C-3		1	4:00-4:50	MTuWThF		Bldg 4 Lab		210B staff
221A-4	Architectural Design							121B
1			8:00-10:50	M W F		T-7		Mr Chiles
2			2:00-4:50	M W F		T-7		staff
221B-4		1	8:00-10:50	M W F		T-7		221A Mr Lougeay
		2	8:00-10:50	M W F		T-5		Mr Lete
221C-4		1	8:00-10:50	M W F		T-7		221B Mr Lougeay
		2	8:00-10:50	M W F		T-5		Mr Lete
225-3	Kinematics							101C
1			1:00-1:50	M W F		T-1		Mr Beauchamp
226-3	Strength of Materials							
1			1:00-1:50	M W F		T-1		Mr Beauchamp
227-3	Tool Design							
1			1:00-1:50	M W F		T-1		Mr Beauchamp
250A-3	Materials and Methods of Construction							151
1			8:00-11:50	Tu Th		T-7		Mr Lete
			11:00-11:50	W		T-7		Mr Lete
2			1:00-4:50	Tu Th		T-7		Mr Lete
			1:00-1:50	W		T-7		Mr Lete
250B-3		1	8:00-11:50	Tu Th		T-7		250A Mr Lougeay
			11:00-11:50	W		T-7		Mr Lougeay
		2	8:00-11:50	Tu Th		T-5		Mr Lete
			11:00-11:50	W		T-5		Mr Lete
250C-4		1	8:00-11:50	Tu Th		T-7		250B Mr Lougeay
			11:00-11:50	W		T-7		Mr Lougeay
		2	8:00-11:50	Tu Th		T-5		Mr Lete
			11:00-11:50	W		T-5		Mr Lete
254-4	Mechanical Equipment of Buildings							4th quarter status
1			2:00-2:50	MTuWTh		T-6		Mr Lete
258-4	Structural Elements							153
1			1:00-1:50	M W F		T-6		Mr Lougeay
			12:00-12:50	Tu		T-6		Mr Lougeay
2			11:00-11:50	MTuWTh		T-6		Mr Chiles
265A-2	Mechanical Services for Residential Buildings—Sanitary							4th quarter status
1			8:00-8:50	M F		T-6		staff
265B-2	Mechanical Services for Residential Buildings—Electrical							265A
1			8:00-8:50	M F		T-6		Mr Trotter
283-3	Construction Cost Estimating							250A
1			1:00-1:50	M W F		T-6		Mr Chiles
290A-3	Theory of Structures—Concrete							258
1			2:00-2:50	M W F		T-6		Mr Chiles
290B-3	Theory of Structures—Wood and Steel							290A
1			1:00-1:50	M W F		T-6		Mr Chiles

VTI E

100A-5	Data Processing Mathematics							
1			8:00-8:50	MTuWThF		H-3		staff

200 VOCATIONAL-TECHNICAL INSTITUTE (VTI E)

Course No. & Hours	Descriptive Title	Days	Bldg & Room	Prerequisite Instructor
Fall Winter Spring Time				
100A-5	Data Processing Mathematics			
2	10:00-10:50	MTuWThF	H-3	Mr Bizzel
1	9:00-9:50	MTuWThF	H-3	Mr Bizzel
100B-4				100A
1	8:00-8:50	MTuWTh	H-3	Mr Robb
1	11:00-11:50	MTuWTh	H-3	Mr Robb
101A-3	Automatic Data Processing Machines			
1	9:00-9:50	MTuWThF	DP Lab	Mr Bizzel
2	11:00-11:50	MTuWThF	DP Lab	Mr Robb
1	10:00-10:50	MTuWThF	DP Lab	Mr Bizzel
101B-5				101A
1	10:00-11:50	MTuWThF	DP Lab	Mr Bizzel
2	1:00-2:50	MTuWThF	DP Lab	Mr Robb
1	2:00-3:50	MTuWThF	DP Lab	Mr Bizzel
103-5	Computer Programming			101B
1	8:00-9:50	MTuWThF	H-3	Mr Bizzel
104-3	Data Processing Applications			101B
1	1:00-1:50	M W F	H-3	staff
107-2	Data Processing Information			101A
1	7:00-9:00 P.M.	M	H-3	Mr Bizzel
203A-5	Business Computer Programming			103
1	8:00-9:50	MTuWThF	H-3	Mr Robb
203B-5				203A
1	10:00-11:50	MTuWThF	H-3	Mr Robb
205-5	Systems Design and Development			104
1	10:00-10:50	MTuWThF	H-3	Mr Robb
206A-3	Programming Systems			103
1	9:00-9:50	M W F	H-3	Mr Robb
206B-7				206A
1	8:00-9:50	MTuWThF	H-3	Mr Robb
207-3	Data Processing Field Project			206A
1	To be arranged			Mr Robb

VTI F

101A-8	Woodworking—Machines			
1	1:00-4:50	M W F	Bldg 4 Cl	Mr Osborn
	2:00-4:50	Tu Th	Bldg 4 Lab	Mr Osborn
101B-8	Woodworking—Cabinet and Millwork			
1	1:00-4:50	M W F	Bldg 4 Cl	Mr Osborn
	2:00-4:50	Tu Th	Bldg 4 Lab	Mr Osborn
101C-8	Woodworking—Furniture Construction			101A or 101B
1	1:00-4:50	M W F	Bldg 4 Cl	Mr Osborn
	2:00-4:50	Tu Th	Bldg 4 Lab	Mr Osborn
128-4	Wood Technology			
1	8:00-8:50	M W	Bldg 4 Cl	Mr Rice
	8:00-9:50	Tu Th	Bldg 4 Cl	Mr Rice
129-2	Wood Finishing			
1	11:00-11:50	Tu	Bldg 4 Cl	Mr Osborn
	10:00-11:50	Th	Bldg 4 Cl	Mr Osborn
130-2	Lumber Seasoning			
1	8:00-8:50	M	Bldg 4 Cl	Mr Rice
	8:00-9:50	W	Bldg 4 Cl	Mr Rice
131-2	Lumber Grading			
1	9:00-9:50	Tu	Bldg 4 Cl	Mr Rice
	8:00-9:50	F	Bldg 4 Cl	Mr Rice
201A-8	Woodworking—Light Frame			101A
1	1:00-4:50	M W F	Bldg 4 Cl	Mr Rice
	2:00-4:50	Tu Th	Bldg 4 Lab	Mr Rice

Course No. & Hours		Descriptive Title			Days			Bldg & Room		Prerequisite Instructor	
Fall	Winter	Spring	Time								
201B-8	Woodworking—Prefabrication										201A
	1	1:00–4:50	M	W	F	Bldg 4 Cl	Mr Rice				
		2:00–4:50	Tu	Th	Bldg 4 Lab	Mr Rice					
201C-8	Woodworking—Manufacturing Processes										201B
	1	1:00–4:50	M	W	F	Bldg 4 Cl	Mr Rice				
		2:00–4:50	Tu	Th	Bldg 4 Lab	Mr Rice					
232-2	Wood Preservation										
	1	9:00–9:50	M	W	Bldg 4 Cl	Mr Rice					
250-3	Plant Organization and Operation										101C, 201B
	1	11:00–11:50	M	W	F	Bldg 4 Cl	Mr Rice				

VTI G

100-0	English Composition: Grammar and Usage (See VTI General Studies Area D for schedule)					
106-0	Elementary Mathematics (See VTI General Studies Area D for schedule)					
107-3	Technical Mathematics					
	1		9:00-9:50	M W F	C-7	staff
	2	1	10:00-10:50	M W F	C-8	staff
	3		10:00-10:50	M W F	C-7	staff
	4		12:00-12:50	M W F	C-8	staff
	5	2	1:00-1:50	M W F	C-8	staff
	6		1:00-1:50	M W F	C-7	staff
	7		3:00-3:50	M W F	C-7	staff
		2	3:00-3:50	M W F	C-8	staff
		3	4:00-4:50	M W F	C-8	staff
115-3	Inorganic and Organic Chemistry					
	1		1:00-3:50	Tu	Chem Lab	staff
			9:00-11:50	Th	Chem Lab	staff
136-5	Introductory Sociology					
	1		1:00-1:50	M W F	C-7	staff
232-4	Labor Management Relations Problems					
	(8 weeks for Retailing Majors only)					
	1		1:00-2:50	M	C-4	Mr McDermott
			2:00-2:50	TuWThF	C-4	Mr McDermott

VTI H

112-3	Jury Charge					
	1		1:00-1:50	M W F	C-1	Miss Rocconi
120A-7	Stenograph Machines					
	1		2:00-3:50	MTuWThF	C-1	Miss Rocconi
120B-5						120A
	1		9:00-9:50	MTuWThF	C-1	Miss Rocconi
120C-5						120B
	1		8:00-8:50	MTuWThF	C-1	Miss Rocconi
123A-2	Stenograph Machines Transcription					120A
	1		10:00-10:50	MTuWThF	C-1	Miss Rocconi
123B-2						123A
	1		9:00-9:50	MTuWThF	C-10	Miss Rocconi
210-4	Two-Voice Testimony					224
	1		11:00-11:50	MTuWThF	C-1	Miss Rocconi

VTI J

101A-6	Printing Laboratory—Hand Platen					
	1		9:00-11:50	MTuWThF	Bldg 2	Mr Pollock
101B-6	Printing Laboratory—Auto Platen					101A
	1		9:00-11:50	MTuWThF	Bldg 2	Mr Pollock
101C-6	Printing Laboratory—Offset					
	1		9:00-11:50	MTuWThF	Bldg 2	Mr Pollock

202 VOCATIONAL-TECHNICAL INSTITUTE (VTI J)

Course	No. & Hours	Descriptive Title	Time	Days	Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring				
125A-3	Printing Theory—Hand Platen					
1		8:00-8:50		M W F	Bldg 2 Cl	Mr Pollock
125B-3	Printing Theory—Auto Platen					125A
1		8:00-8:50		M W F	Bldg 2 Cl	Mr Pollock
125C-3	Printing Theory—Offset					
1		8:00-8:50		M W F	Bldg 2 Cl	Mr Pollock
152-3	Proofreading					
1		2:00-2:50		M W F	Bldg 2 Cl	Mr Pollock
153-3	Printing Layout and Design					
1		2:00-2:50		M W F	Bldg 2 Cl	Mr Pollock
201A-6	Printing Laboratory—Lino-Intertype					101A
1		5:00-7:50 P.M.		MTuWThF	Bldg 2	Mr Pollock
201B-6	Printing Laboratory—Lino-Ludlow					101A
1		5:00-7:50 P.M.		MTuWThF	Bldg 2	staff
201C-6	Printing Laboratory—Letter-Offset					101A
1		5:00-7:50 P.M.		MTuWThF	Bldg 2	staff
225A-3	Printing Theory—Lino-Intertype					125A
1		4:00-4:50		M W F	Bldg 2 Cl	staff
225B-3	Printing Theory—Lino-Ludlow					125A
1		4:00-4:50		M W F	Bldg 2 Cl	staff
225C-3	Printing Theory—Letter-Offset					125A
1		4:00-4:50		M W F	Bldg 2 Cl	staff
251-3	Estimating and Costs in Printing					
1		3:00-3:50		M W F	Bldg 2 Cl	staff

VTI K

101A-3	Calculating Machines					
1		10:00-10:50		MTuWThF	C-9	Miss Rocconi
2		11:00-11:50		MTuWThF	C-9	Mr Johnston
	1	11:00-11:50		MTuWThF	C-9	Mr Johnston
	2	4:00-4:50		MTuWThF	C-9	Mr Johnston
101B-3						101A
	1	9:00-9:50		MTuWThF	C-9	Mr Johnston
101C-3						101B
	1	3:00-3:50		MTuWThF	C-9	Mr Johnston

VTI L

111-5	Clerical Procedures					
	1	7:00-9:30 P.M.		Tu Th	C-6	Mr Johnston

VTI M

101A-5	Machine Tool Laboratory—Engine Lathe and Bench Work					
1		8:00-10:50		MTuWThF	Mach Lab	Mr Traylor
2		2:00-4:50		MTuWThF	Mach Lab	Mr Crookshank
101B-5	Machine Tool Laboratory—Shaper and Planer					101A
	1	8:00-10:50		MTuWThF	Mach Lab	Mr Traylor
	2	2:00-4:50		MTuWThF	Mach Lab	Mr Crookshank
101C-5	Machine Tool Laboratory—Precision Measurement					101A
	1	8:00-10:50		MTuWThF	Mach Lab	Mr Traylor
	2	2:00-4:50		MTuWThF	Mach Lab	Mr Crookshank
125A-5	Machine Tool Theory—Engine Lathe and Bench Work					
1		11:00-11:50		MTuWThF	A Vault 1	Mr Traylor
2		12:00-12:50		MTuWThF	Bldg 1 Cl	Mr Crookshank
125b-3	Machine Tool Theory—Shaper and Planer					125a
	1	12:00-12:50		M W F	Bldg 1 Cl	Mr Traylor
	2	1:00-1:50		M W F	Bldg 1 Cl	Mr Crookshank
125C-3	Machine Tool Theory—Precision Measurement					125A
	1	1:00-1:50		M W F	Bldg 1 Cl	Mr Traylor

VOCATIONAL-TECHNICAL INSTITUTE (VTI M) 203

Course No. & Hours		Descriptive Title		Days		Bldg & Room		Prerequisite Instructor
Fall	Winter	Spring	Time					
		2	11:00-11:50	M	W	F	Bldg 1 Cl	Mr Crookshank
176A-3	Manufacturing Processes							
1			10:00-10:50	M	W	F	Bldg 4 Cl	Mr Soderstrom
176B-3								
	1		10:00-10:50	M	W	F	Bldg 4 Cl	Mr Soderstrom
201A-5	Machine Tool Laboratory—Milling Machines							
1			11:00-1:50	MTuWThF			Mach Lab	Mr Muhich
201B-5	Machine Tool Laboratory—Grinding Machines							101A
1			11:00-1:50	MTuWThF			Mach Lab	Mr Muhich
201C-5	Machine Tool Laboratory—Production Machines							101A
1			11:00-1:50	MTuWThF			Mach Lab	Mr Muhich
225A-3	Machine Tool Theory—Milling Machines							125A
1			9:00-9:50	M	W	F	Bldg 1 Cl	Mr Muhich
225B-3	Machine Tool Theory—Grinding Machines							125A
1			10:00-10:50	M	W	F	Bldg 1 Cl	Mr Muhich
225C-3	Machine Tool Theory—Production Machines							125A
1			10:00-10:50	M	W	F	Bldg 1 Cl	Mr Muhich
275A-3	Metallurgy							
1	1	1	9:00-9:50	MTuWThF			Met Lab	staff
							Weld Cl	staff
2	2	2	11:00-11:50	MTuWThF			Met Lab	staff
							Weld Cl	staff
3	3	3	2:00-2:50	MTuWThF			Met Lab	staff
							Weld Cl	staff
275B-3								275A
1	1	1	3:00-3:50	MTuWThF			Met Lab	staff
							Weld Cl	staff

VTI N

101A-3	Art Analysis							101A-3
1			8:00-8:50	M	W	F	K-1	staff
125-10	Techniques, Theory and Practice							
1	1		8:00-11:50	MTuWThF			K-1	staff
130-10	Advertising Design and Production							125
1	1	1	8:00-11:50	MTuWThF			K-1	staff
140-10	Introductory Advertising and Story Illustration							130
1	1	1	8:00-11:50	MTuWThF			K-1	staff
210A-8	Advertising & Story Illustration Theory and Practice							125C
1	1	1	1:00-4:50	MTuW	F		K-1	staff
			2:00-5:50		Th		K-1	staff
210B-9								210A
1	1	1	1:00-4:50	MTuW	F		K-1	staff
			2:00-5:50		Th		K-1	staff
210C-9								210B
1	1	1	1:00-4:50	MTuW	F		K-1	staff
			2:00-5:50		Th		K-1	staff
230A-8	Technical Illustration Theory and Practice							140
1	1	1	1:00-4:50	MTuW	F		K-1	staff
			2:00-5:50		Th		K-1	staff
230B-9								230A
1	1	1	1:00-4:50	MTuW	F		K-1	staff
			2:00-5:50		Th		K-1	staff
230C-9								230B
1	1	1	1:00-4:50	MTuW	F		K-1	staff
			2:00-5:50		Th		K-1	staff

204 VOCATIONAL-TECHNICAL INSTITUTE (VTI P)

Course No. & Hours — Descriptive Title Days Bldg & Room Prerequisite
Fall Winter Spring Time

VTI P

101A-7	Nursing Theory and Practice								
1	1	8:00-11:50	M	W	F	C-11		staff	
		2:00-2:50	Tu			C-11		staff	
		1:00-3:50		W		C-11		staff	
		10:00-11:50		Th		C-11		staff	
		2:00-3:50		Th		C-11		staff	
101B-3									101A
	1	8:00-11:50	M	W	F	C-11		staff	
		1:00-3:50	M	W	F	C-11		staff	
		8:00-8:50	Tu	Th		C-11	Mrs Christensen		
		2:00-2:50	Tu			C-11		staff	
		10:00-11:50		Th		C-11		staff	
		2:00-3:50		Th		C-11		staff	
103A-4	Clinical Theory and Practice								101B
	1	To be arranged				Hospital		staff	
		1:00-4:50	M	W	F	C-11		staff	
		1:00-3:50	Tu	Th		C-11		staff	
103B-8									103A
	1	To be arranged				Hospital		staff	
		1:00-4:50	M	W	F	C-11		staff	
		1:00-3:50	Tu	Th		C-11		staff	
131-4	Foods								
1	1	1:00-3:50	M			HEc		Miss Becker	
		1:00-2:50			F	HEc		Miss Becker	
132A-3	Health								
1		8:00-8:50	Tu	Th		C-11	Mrs Christensen		
		11:00-11:50	Tu			C-11	Mrs Christensen		
		9:00-10:50	Tu			C-11	Mrs Mitchell		
		9:00-9:50		Th		C-11	Mrs Mitchell		
		3:00-3:50	Tu			C-11	Mrs Chiodini		
132B-1									132A
	1	9:00-10:50	Tu			C-11	Mrs Mitchell		
		9:00-9:50		Th		C-11	Mrs Mitchell		
		11:00-11:50	Tu			C-11	Mrs Christensen		
		3:00-3:50	Tu			C-11	Mrs Chiodini		

VTI R

124-4	Introduction to Retailing								
1	1	8:00-8:50	MTuWTh			C-4		Mr Moore	
127A-3	Salesmanship								
1		1:00-1:50	M	W	F	C-3		Mr Moore	
	1	3:00-3:50	M	W	F	C-3		Mr Moore	
	2	10:00-10:50	M	W	F	C-3		Mr Moore	
	1	9:00-9:50	M	W	F	C-3		Mr Moore	
127B-3									
	1	1:00-1:50	M	W	F	C-3		Mr Moore	
176-3	Product Analysis								
1	1	9:00-9:50	MTuWTh			C-4		Mr Elder	
177A-5	Product Information Laboratory								176
	1	10:00-11:50	MTuWThF			C-4		Mrs Burnett	
	2	2:00-3:50	MTuWThF			C-4		Mr Moore	
	1	10:00-11:50	MTuWThF			C-4		Mr Moore	
177B-5									
1		10:00-11:50	MTuWThF			C-4		Mr Moore	
	1	2:00-3:50	MTuWThF			C-4		Mrs Burnett	

VOCATIONAL-TECHNICAL INSTITUTE (VTI R) 205

Course No. & Hours — Descriptive Title		Time	Days	Bldg' & Room	Prerequisite Instructor
Fall	Winter	Spring			
179-5	Retail Mathematics				
	1	2:00-2:50	MTuWThF	C-0	Mrs Burnett
		1 8:00-8:50	MTuWThF	C-0	Mrs Burnett
201-4 to 12	Co-operative Work Experience				
	1 1 1	To be arranged			staff
205-4	Merchandising Principles				
	1	9:00-9:50	MTuWThF	C-1	Mrs Burnett
206-5	Records and Statistics				
	1	10:00-10:50	MTuWThF	C-0	Mr Elder
		11:00-11:50	Tu Th	C-0	Mr Elder
207A-2	Sales Promotion				
	1	4:00-4:50	MTuW	C-3 & C-4	Mr Elder
207B-4					
	1	8:00-8:50	MTuWThF	C-4	Mr Elder
208A-4	Fashion Merchandising				
	1	9:00-9:50	MTuWThF	C-3	Mrs Burnett
208B-2					
	1	10:00-10:50	Tu Th	C-4	Mrs Burnett
224-4	Retail Store Organization and Management				
	1	10:00-10:50	MTuWThF	C-0	Mr Elder
227-3	Personnel Management				
	1	11:00-11:50	MTuWThF	C-3	Mrs Burnett
280-3	Retail Credits and Collections				
	1	1:00-1:50	MTuWThF	C-3	Mr Moore

VTI S

101A-3	Typewriting				
	1	10:00-10:50	MTuWThF	C-10	Mr Johnston
101B-3					
	1	10:00-10:50	MTuWThF	C-10	Mrs Miriani
	2	9:00-9:50	MTuWThF	C-10	Mr Johnston
101C-3					
	1	8:00-8:50	MTuWThF	C-10	Mrs Miriani
104A-7	Shorthand				
	1	9:00-10:50	MTuWThF	C-5	Mrs Miriani
104B-5					104A
	1	3:00-3:50	MTuWThF	C-6	Miss Garrison
	2	12:00-12:50	MTuWThF	C-5	Miss Rocconi
104C-5					104B
	1	9:00-9:50	MTuWThF	C-7	Mrs Miriani
105A-2	Transcription				104A
	1	4:00-4:50	MTuWThF	C-10	Miss Garrison
	2	3:00-3:50	MTuWThF	C-10	Miss Rocconi
105B-2					
	1	11:00-11:50	MTuWThF	C-10	Mrs Miriani
107-2	Filing and Duplicating				
	1	9:00-9:50	MTuWTh	C-10	Miss Garrison
	2	2:00-2:50	MTuWTh	C-10	Miss Garrison
	1	7:00-9:00 P.M.	Tu Th	C-10	Miss Garrison
205A-3	Typewriting				101C
	1 1	9:00-9:50	MTuWThF	C-1	Mrs Miriani
205B-3					205A
	1	9:00-9:50	MTuWThF	C-1	Mr Johnston
209A-5	Shorthand				104C
	1	8:00-8:50	MTuWThF	C-1	Miss Garrison
209B-5					209A
	1	8:00-8:50	MTuWThF	C-1	Miss Garrison

206 VOCATIONAL-TECHNICAL INSTITUTE (VTI S)

Course No. & Hours	Descriptive Title	Days	Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring		
221A-2	Transcription			105B
1	11:00-11:50	MTuWThF	C-1	Miss Garrison
221B-2				221A
1	10:00-10:50	MTuWThF	C-1	Miss Garrison
223-5	Secretarial Office Procedures			
1	2:00-2:50	MTuWThF	C-1	Miss Garrison
224-5	Legal Dictation Shortcuts			209B
1	3:00-3:50	MTuWThF	C-5	Mrs Miriani
225A-5	Medical Dictation			209B
1	8:00-8:50	MTuWThF	C-8	Mr Tooley
225B-5				225A
1	8:00-8:50	MTuWThF	C-6	Mr Tooley
226A-2	Medical Transcription			209B
1	9:00-9:50	MTuWThF	C-10	Mr Tooley
226B-2				226A
1	9:00-9:50	MTuWThF	C-10	Mr Tooley
230-2	Legal Transcription			209B
1	4:00-4:50	MTuWThF	C-1	Mrs Miriani

VTI T

101A-7	Electronics Laboratory—AC, DC			
1	8:00-10:50	MTuWThF	U-6	Mr Caldwell
2	2:00-4:50	MTuWThF	U-6	Mr Christensen
1	1:00-3:50	MTuWThF	U-6	Mr Schultz
101B-7	Electronics Laboratory—Vacuum Tube and Transistor			101A
1	8:00-10:50	MTuWThF	U-6	Mr Christensen
2	8:00-10:50	MTuWThF	U-8	Mr Caldwell
1	9:00-11:50	MTuWThF	U-6	Mr Green
101C-7	Electronics Laboratory—Transmitter and Receiver			101B
1	8:00-10:50	MTuWThF	U-4	Mr Caldwell
2	1:00-3:50	MTuWThF	U-4	Mr Christensen
125A-5	Electronics Theory—AC, DC			
1	2:00-2:50	MTuWThF	U-7	Mr Caldwell
2	12:00-12:50	MTuWThF	U-7	Mr Christensen
1	11:00-11:50	MTuWThF	U-7	Mr Schultz
125b-5	Electronics Theory—Vacuum Tube and Transistor			125a
1	12:00-12:50	MTuWThF	U-7	Mr Christensen
2	3:00-3:50	MTuWThF	U-7	Mr Caldwell
1	8:00-8:50	MTuWThF	U-7	Mr Green
125C-5	Electronics Theory—Transmitter and Receiver			125B
1	2:00-2:50	MTuWThF	U-7	Mr Caldwell
2	12:00-12:50	MTuWThF	U-7	Mr Christensen
201A-5	Electronics Laboratory—Transistor and Vacuum Tube			125C
1	9:00-10:50	MTuWThF	U-8	Mr Schultz
2	2:00-3:50	MTuWThF	U-8	Mr Green
201B-5	Electronics Laboratory—Pulse and Microwave			201A
1	10:00-11:50	MTuWThF	U-4	Mr Green
2	2:00-3:50	MTuWThF	U-4	Mr Green
201C-5	Electronic Laboratory—Service Problems			201B
1	9:00-9:50	MTuWThF	U-8	Mr Schultz
2	2:00-3:50	MTuWThF	U-8	Mr Schultz
225A-5	Electronic Theory—Transistor and Vacuum Tube			101C
1	11:00-11:50	MTuWThF	U-7	Mr Schultz
2	12:00-12:50	MTuWThF	U-7	Mr Green
225B-5	Electronic Theory—Pulse and Microwave			225A
1	9:00-9:50	MTuWThF	U-7	Mr Green
2	9:00-9:50	MTuWThF	U-7	Mr Green

VOCATIONAL-TECHNICAL INSTITUTE (VTI T) 207

Course No. & Hours	Descriptive Title	Days	Bldg & Room	Prerequisite Instructor
Fall	Winter	Spring	Time	
225C-5	Electronic Theory—Service Principles			225B
	1	11:00–11:50	MTuWThF	U-7 Mr Schultz
	2	11:00–11:50	MTuWThF	U-7 Mr Schultz
228-3	Federal Communication Commission License			125C
1		1:00–1:50	M W F	U-7 Mr Green
229-3	Color Television			22B
	1	1:00–1:50	M W F	U-7 Mr Green
232-3	Industrial Circuits			225A
	1	4:00–4:50	M W F	U-7 Mr Caldwell

VTI U

101A-3	The Funeral; History and Customs			
1		8:00–8:50	M W F	C-5 staff
101B-3				
	1	8:00–8:50	M W F	C-5 staff
202-3	Restorative Art			
	1	9:00–9:50	M W F	Bldg 3 Au staff
203-3	Introduction to Embalming			
	1	10:00–10:50	M W F	Bldg 3 N staff
205A-3	Pathology			
	1	1:00–1:50	M W F	Bldg 3 Au staff
205B-3				
	1	1:00–1:50	M W F	Bldg 3 Au staff
225-5	Embalming Theory and Practice			
	1	2:00–4:50	MTuWThF	Mort Sci Lab staff

VTI W

101A-7	Welding Laboratory—Oxy and Acetylene			
1	1	1	8:00–10:50	MTuWThF Weld Lab 1 staff
101B-7	Welding Laboratory—Arc			
1	1	1	8:00–10:50	MTuWThF Weld Lab 2
				Mr Christensen
101C-7	Welding Laboratory—Inert Arc			101B
1	1	1	8:00–10:50	MTuWThF Weld Lab 2
				Mr Christensen
125A-3	Welding Theory—Oxy and Acetylene			
1	1	1	1:00–1:50	M W F Weld Clrm staff
125B-3	Welding Theory—Arc			
1	1	1	1:00–1:50	M W F Bldg 3 N Cl
				Mr Christensen
125C-3	Welding Theory—Specifications and Inspection			125B
	1	1	2:00–2:50	M W F Weld Lab 2
				Mr Christensen
175A-3	Oxy-Acet and Electric Arc Welding			
1	1	1	4:00–5:50	M W F Weld Lab 2 staff

VTI X

201-2	Job Orientation (Commercial Art)			
	1		1:00–1:50	M W F K-1 staff
201-2	Job Orientation (Business)			
	1	1	1:00–1:50	M W C-2 Mr Johnston
201-2	Job Orientation (Automotive)			
	2		8:00–8:50	Tu Th Bldg 1 Cl Mr Jones
201-2	Job Orientation (Retailing)			
	3		8:00–8:50	Tu Th C-3 Mrs Burnett
201-2	Job Orientation (Automotive)			
	2		12:00–12:50	Tu Th Bldg 1 Cl Mr Jones

208 VOCATIONAL-TECHNICAL INSTITUTE (VTI X)

Course No. & Hours	Descriptive Title	Days	Bldg & Room	Prerequisite Instructor
Fall Winter Spring Time				
201-2 Job Orientation (Retailing)	3 3:00-3:50	M W F	C-4	Mr Elder
201-2 Job Orientation (Woodworking)	4 8:00-8:50	W F	Bldg 4 Cl	Mr Rice
201-2 Job Orientation (Architectural Drafting)	5 11:00-11:50	Tu Th	T-6	staff
202-2 Professional Ethics	1 3:00-3:50	Tu Th	Amphith	Dental Lab Major Mr Webber

VTI Y

101A-9	Dental Prosthetics	1	1:00-5:50	M		Dent Lab B	Mr Joy
			1:00-4:50	TuW	F	Dent Lab B	Mr Joy
			2:00-5:50		Th	Dent Lab B	Mr Joy
		2	1:00-5:50	M		Dent Lab A	Mr Pennock
			1:00-4:50	TuW	F	Dent Lab A	Mr Pennock
			2:00-5:50		Th	Dent Lab A	Mr Pennock
		1	1:00-5:50	M		Dent Lab A	Mr Joy
			1:00-4:50	TuW	F	Dent Lab A	Mr Joy
			2:00-5:50		Th	Dent Lab A	Mr Joy
101B-9		1	1:00-5:50	M		Dent Lab B	Mr Pennock
			1:00-4:50	TuW	F	Dent Lab B	Mr Pennock
			2:00-5:50		Th	Dent Lab B	Mr Pennock
		1	1:00-5:50	M		Dent Lab B	Mr Joy
			1:00-4:50	TuW	F	Dent Lab B	Mr Joy
			2:00-5:50		Th	Dent Lab B	Mr Joy
101C-9		1	1:00-5:50	M		Dent Lab A	Mr Pennock
			1:00-4:50	TuW	F	Dent Lab A	Mr Pennock
			2:00-5:50		Th	Dent Lab A	Mr Pennock
113-3	Science of Dental Materials	1	8:00-8:50	M	W F	Chem Lab	Mr Harbison
128-2	Oral Anatomy	1	8:00-8:50	Tu	Th	C-13	Mr Webber
130-2	Orientation to Dental Hygiene	1	8:00-8:50	Tu	Th		Miss Bushee
132A-4	Head and Neck Anatomy	1	9:00-9:50	MTuWThF		Chem Lab	Mr Webber
132B-4		1	9:00-11:50	MTuW		Chem Lab	Mr Webber
135A-4	Oral Basic Science	1	10:00-10:50	M	WThF	Chem Lab	Miss Bushee
135B-4		1	9:00-11:50		ThF	Chem Lab	Miss Bushee
135C-3		1	9:00-10:50	M	W	Chem Lab	Mr Webber
137A-4	Preclinical Dental Hygiene	1	1:00-3:50	Tu		Chem Lab	Mrs Paulk
			2:00-4:50		Th	Chem Lab	Mrs Paulk
137B-4		1	9:00-11:50	Tu		Chem Lab	Mrs Paulk
			2:00-4:50		Th	Chem Lab	Mrs Paulk
139-3	Dental Nutrition	1	2:00-3:50	M		HEc	Miss Becker
			2:00-2:50		W	HEc	Miss Becker
140-2	Dental Pharmacology	1	11:00-11:50	M	W	Amphith	Mr Webber

VOCATIONAL-TECHNICAL INSTITUTE (VTI Y) 209

Course No. & Hours —		Descriptive Title		Days		Bldg & Room		Prerequisite
Fall	Winter	Spring	Time					Instructor
201A-9 Crown and Bridgework 101C								
1		8:00-11:50		TuWThF		Dent Lab A		Mr Christy
		8:00-12:50		M		Dent Lab A		Mr Christy
2		8:00-11:50		TuWThF		Dent Lab B		Mr Bykowski
		8:00-12:50		M		Dent Lab B		Mr Bykowski
201B-9 201A								
1		8:00-11:50		TuWThF		Dent Lab A		Mr Christy
		8:00-12:50		M		Dent Lab A		Mr Christy
2		8:00-11:50		TuWThF		Dent Lab B		Mr Bykowski
		8:00-12:50		M		Dent Lab B		Mr Bykowski
201C-9 201B								
1		8:00-11:50		TuWThF		Dent Lab A		Mr Bykowski
		8:00-12:50		M		Dent Lab A		Mr Bykowski
2		8:00-11:50		TuWThF		Dent Lab B		Mr Christy
		8:00-12:50		M		Dent Lab B		Mr Christy
210A-5 Clinical Dental Hygiene 132; 137; 139; 140; 141								
1		9:00-11:50		M W		Clinic		Mrs Paulk
		1:00-3:50		M W		Clinic		Mrs Paulk
2		9:00-11:50		ThF		Clinic		Mrs Paulk
		1:00-3:50		Tu F		Clinic		Mrs Paulk
210B-5 210A								
1		9:00-11:50		M W		Clinic		Mrs Paulk
		1:00-3:50		M W		Clinic		Mrs Paulk
2		1:00-3:50		Tu F		Clinic		Mrs Paulk
		9:00-11:50		ThF		Clinic		Mrs Paulk
210C-5 210B								
1		9:00-11:50		M W		Clinic		Mrs Paulk
		1:00-3:50		M W		Clinic		Mrs Paulk
2		1:00-3:50		Tu F		Clinic		Mrs Paulk
		9:00-11:50		ThF		Clinic		Mrs Paulk
213A-3 Dental Assisting G115; soph standing								
1		9:00-11:50		Tu		Amphith		Miss Bushee
213B-3 213A								
1		9:00-11:50		Tu		Amphith		Miss Bushee
216-2 Dental Ethics and Administration								
1		8:00-8:50		M W		Amphith		Mr Webber
217-2 Dental Health Education 216; GSD 101a; 101b; 103; GSB 201b								
1		8:00-8:50		M W		Amphith		Mr Webber
218A-2 Clinical Dental Roentgenology 115; 141; 132; 137								
1		2:00-3:50		Th		X-ray Cl		Miss Bushee
218B-2 218A								
1		2:00-3:50		Th		X-ray Cl		Miss Bushee



Southern Illinois University Foundation

The Southern Illinois University Foundation is a nonprofit corporation chartered by the state and authorized by the Board of Trustees to receive gifts for the benefit of the University, to buy and sell property, and otherwise to serve the University.

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Southern Illinois University

Bulletin



Schedule of Classes

Summer

CARBONDALE CAMPUS

1964

Objectives of Southern Illinois University

TO EXALT BEAUTY

IN GOD,
IN NATURE,
AND IN ART,
TEACHING HOW TO LOVE THE BEST
BUT YET KEEP THE HUMAN TOUCH.

TO ADVANCE LEARNING

IN ALL LINES OF TRUTH
WHEREVER THEY MAY LEAD,
SHOWING HOW TO THINK,
FATHER TEACH WHAT TO THINK,
ASSIGNING THE POWERS
AND THE MIND
IN THEIR SELF-DEVELOPMENT.

TO FORWARD IDEAS AND IDEALS

IN OUR IMMEDIACY,
INSPIRING RESPECT FOR OTHERS
AND FOR OURSELVES,
EVER SUGGESTING FREEDOM
WITH RESPONSIBILITY.

TO BECOME A CENTER OF DREAM AND LIGHT

THAT KNOWLEDGE MAY LEAD
TO UNDERSTANDING
AND UNDERSTANDING
TO WORKING.

Schedule of Classes

Summer Quarter, 1964

Carbondale Campus

June 15–August 29



SOUTHERN ILLINOIS UNIVERSITY BULLETIN
Volume 6 Number 5 April 20, 1964
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General Information
General Studies and AF ROTC
Financial Assistance
Summer Session (Carbondale)
Summer Session (Edwardsville)
Schedule of Classes (Carbondale)
Schedule of Classes (Edwardsville)
Divisional Announcements (Edwardsville)
Graduate School
College of Education
College of Liberal Arts and Sciences
School of Agriculture
School of Business
School of Communications
School of Fine Arts
School of Home Economics
School of Technology
Division of Technical and Adult Education

All intending students should have the General Information bulletin (issued once a year), plus the special bulletins of the various educational units in which they are most interested.

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This Bulletin

covers in detail questions concerning the 1964 Summer Quarter of the Carbon-dale Campus. It does not cover all questions concerning Southern Illinois University. For complete information about the University the prospective student should refer to the General Information bulletin.

This issue supersedes Volume 5, Number 1.

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University Calendar, 1964-1965

1964 SUMMER SESSION

Session Begins	Monday, June 15
Independence Day Holiday	Friday, July 3
Final Examinations (8-Week Session)	Wednesday–Thursday, August 5–6
Summer Commencement	Friday, August 7
Final Examinations (Summer Quarter)	Monday–Saturday, August 24–29

1964 FALL QUARTER

New Student Week	Sunday–Tuesday, September 20–22
Quarter Begins	Wednesday, September 23
Thanksgiving Vacation	Wednesday, 12 Noon–Monday, 8 A.M. November 25–30
Final Examinations	Monday–Saturday, December 14–19

1965 WINTER QUARTER

Quarter Begins	Monday, January 4
Final Examinations	Monday–Saturday, March 15–20

1965 SPRING QUARTER

Quarter Begins	Monday, March 29
Memorial Day Holiday	Monday, May 31
Final Examinations	Wednesday–Tuesday, June 9–15
Commencement (Carbondale)	Wednesday, June 16
Commencement (Edwardsville)	Thursday, June 17

Classes begin on the second day of the quarter, except that the evening classes (5:45 P.M. or later) on the Carbondale Campus begin on the first night of the quarter.

Registration Calendar, Summer, 1964

April 8–May 29	Advance registration period for students who were enrolled in the 1963 summer session or the 1964 spring quarter and for new and re-entry students who have cleared their admission status. <i>New students are to refer to pages 7–9 for additional information relative to steps they must take before they may be advised and register.</i> Students will receive fee statements by mail if registered by May 23. Students who register after May 23 must pay fees at the time of registration.
June 11–12	Additional advance registration for students who were not campus enrollees during the 1964 spring quarter.
June 5	Students will have their advance registration cancelled if fees are not paid at the Bursar's Office by 3:30 P.M., C.D.T., unless they have received approval for deferred payment.
June 15	Summer quarter begins. Last day of regular registration.
June 16	Classes begin except for certain workshop courses which may have begun their sessions on June 15. (See Schedule of Classes).
June 16–20	Late registration period. Late fee will be assessed. Students registering only for a special course which begins later than June 16 may register on the first meeting day of class without late fee payment.
June 20	Last registration day without dean's written approval.
June 26	Deadline for payment of fees by students whose fees were deferred.
June 27	Last day to withdraw from school to be eligible for a refund of fees.
June 29	Last day for refund application to be submitted to Registrar's Office for refund of fees.
July 3	Last day to withdraw from a course without receiving a grade for eight-week courses.
July 10	Last day to withdraw from a course without receiving a grade for regular quarter courses.
July 24	Last day for making a program change or withdrawing from school except under exceptional conditions for students registered for eight-week courses.
August 14	Last day for making a program change or withdrawing from school except under exceptional conditions for students registered for regular quarter courses.

The Summer Quarter

THE SUMMER QUARTER at the Carbondale Campus consists of a comprehensive program of courses offered by most of the departments of the University. The program has been planned to meet the needs of the following groups:

In-service teachers and administrators who wish to study at the undergraduate and graduate levels.

Regular undergraduate and graduate students who wish to accelerate the completion of their degree requirements.

High school graduates who wish to begin work toward a degree.

Persons who wish to register for specialized courses but are not working toward a degree.

Persons who wish to attend special-interest conferences and lectures.

Outstanding high school juniors and seniors who wish to participate in specialized noncredit programs.

During the 1964 summer quarter, all courses numbered below 400 will be taught in the regular quarter pattern starting on June 15 and ending August 29. In addition, 400 and 500 level courses will also be so offered except those that have been approved to be offered on an eight-week pattern (June 15–August 7) in order to meet special needs. Also, a number of special workshops and short courses will run for shorter periods.

Students who know at the time the summer quarter opens that they must be absent for an extended period because of military duty or other reasons should receive approval for attendance from their academic deans or not plan to attend.

1 / General Information

PERSONS INTERESTED in securing complete general information about the University should write to Central Publications, Southern Illinois University, Carbondale, Illinois 62903, for the General Information issue of the *Southern Illinois University Bulletin*. This Schedule of Classes issue contains only those items which are of particular interest to the summer quarter.

The facilities at Carbondale now include more than twenty-six hundred acres of land, thirty-six permanent buildings, and numerous temporary buildings. The Little Grassy Lake camp and Southern Acres are each about ten miles from Carbondale.

UNITS OF INSTRUCTION

The General Information issue of the *Southern Illinois University Bulletin* furnishes a complete listing of the units of instruction and the programs offered by each for both the Carbondale Campus and the Edwardsville Campus. A copy of the General Information issue may be obtained free from Central Publications, Southern Illinois University, Carbondale, Illinois 62903.

LIBRARIES

Four subject libraries (Education, Humanities, Science, and Social Studies), an audio-visual department, and a textbook rental service are housed in Morris Library. There are also branch libraries in the University School, the Vocational-Technical Institute, and at the Little Grassy Lake camp.

Morris Library contains over 600,000 volumes plus a collection of 80,000 maps, 3,000 phonograph records, 3,500 titles of film and about 6,000 prints, and a curriculum collection of some 10,000 items. With the exception of rare books, the entire book collection is arranged in "open stacks."

Morris Library provides lounges for relaxed study and for reading current newspapers and periodicals. Graduate students have special study areas and

locker facilities. Group study areas are provided in each subject library. A browsing room, furnished informally, contains books of current interest in many fields. A listening room permits students to use the record collection. Preview rooms in the audio-visual department make possible individual and group viewing of films.

Facilities for use of microtext are also available. The library staff is prepared to assist students in locating books and other materials and in giving instruction in the use of bibliographic tools.

The library collection is particularly strong in American and English history and literature, education, the biological sciences, in modern social, political, and economic affairs.

The University is one of eighteen members of the Human Relations Area Files, a major source of research findings in the behavioral sciences. The files, housed in the Social Studies Library, consist of more than one and one-half million documents relating to 170 world cultures.

As part of the services of the university library system, a textbook rental system is operated for the benefit of students. Each quarter, undergraduate students are furnished with the basic textbooks required for their courses. The books are returned at the end of the quarter, but students interested in purchasing any of them for their personal libraries may do so at reduced cost. Graduate students buy their books.

HEALTH SERVICE

The primary purpose of the Health Service is to cultivate in students both physical and emotional health.

To serve this purpose the University maintains a well qualified staff of physicians, nurses, technicians, and a pharmacist which serves a large and active out-patient clinic. Any student enrolled in the University may consult the Health Service, free of charge, for any illness or related problem that he or she may have and receive indicated diagnostic workups and treatment. Diagnostic and treatment equipment include a modern laboratory, X-ray department, physical therapy unit, and in some instances referral to area specialists for more detailed diagnostic or treatment procedures.

The Health Service maintains a modern pharmacy where students may purchase necessary drugs or medications on a cost basis on prescription from a University physician.

Other services include the maintenance of immunization programs for polio, typhoid, diphtheria, tetanus, smallpox, and flu without charge to students.

Detailed information concerning hospitalization, the maintenance of a Student Medical Benefit Fund, and procedures to be followed in the event of illness or accident may be obtained from the Health Service.

STUDENT WORK PROGRAM

The Student Work Office assists students in obtaining part-time work to defray a portion of their educational expenses while attending Southern and to provide work experience which relates, if possible, to the student's academic program. The Student Work Office generally finds it easier to place students who enter for the summer quarter, because there are many job-openings occurring at this time. Also, students may be authorized to work more hours during the summer than during any other quarter. Every effort is made to place students with financial need in either on-campus or off-campus jobs. Inquiries relative to student employment should be addressed to the Student Work Office.

MOTOR VEHICLES

All motor vehicles owned or operated by students must be registered at the Student Affairs Office.

Undergraduate students are not permitted motor vehicle driving privileges. However, a student may petition to the Student Affairs Office to be classified as an exception to the rule.

HOUSING

In housing students, the University has assumed the responsibility for developing and operating facilities which provide excellent food service, comfortable and usable study and sleeping facilities, and adequate counseling and referral services. Further, Southern is experimenting with ways to fuse the experiences of living with those of the educational process.

Assignments to university residential facilities are made on a first-come, first-served basis. One exception to this rule is that a few spaces are reserved for some students from other countries and those students receiving rehabilitation aid.

Contracts for housing are issued only to students who have been admitted to the University, but *admission to the University does not guarantee that housing will be available*. The filing of an application for admission and the filing of an application for housing are two separate and distinct steps.

The rates charged by the University for various housing units are established on the basis of current costs, and a sincere effort is made to keep these costs at a minimum. However, all rates for university housing are subject to change upon periodic evaluation of the related cost structure.

University Housing for Single Students

At Woody Hall and at the Thompson Point Residence Halls, the cost for room and twenty meals per week is \$240 for the summer quarter. Nonresidents may contract for board only for \$177. The student government collects \$3 for social events.

Each of the Group Housing units, located on the shores of Campus Lake, provides housing for approximately 50 men or women. The international house for women is also located in this area. The cost of room and board is \$240 for the summer quarter. Food service is provided at Lentz Hall.

Co-operative housing facilities for men, located ten miles east of Carbondale at Southern Acres, allow residents to provide their own meals and to do their own janitorial maintenance. Rent is \$50 for the summer quarter.

University Housing for Married Students

At Southern Hills, three types of furnished apartments are available: two bedroom, one bedroom, and efficiency. Rent varies from \$60 to \$75 per month, plus a service-utility charge of \$15 per month.

Some rooms in the Thompson Point Residence Halls may be offered for families during the summer. Rates for each adult are comparable to single student rates. Charges for children are reduced.

Off-Campus Housing

The University attempts to provide information concerning off-campus housing facilities. Lists of vacancies for single and married students are available in the Housing Office. Off-campus facilities listed by the Housing Office are classified as accepted and nonaccepted university housing. Those units which are accepted must meet minimum standards of sanitation, safety, and supervision established by the University. Among the listings of off-campus facilities in the Housing Office are those of organized houses which elect officers and carry on group activities. Signed contracts with householders are often required. It is suggested that renting by mail may not prove satisfactory.

Few off-campus housing units offer meals. However, meals may be obtained in the University Center cafeteria or restaurants off campus.

RECREATION

Carbondale is situated in a natural recreation area offering many summertime recreational opportunities. Approximately three miles south is the new Midland

Hills Semi-Private Golf Course. Ten miles south is Giant City State Park, a popular picnic resort with scenic beauty and a lodge with overnight accommodations.

Excellent swimming, boating, fishing, and picnic facilities are available at Crab Orchard Lake, Little Grassy Lake, Devil's Kitchen Lake, and Lake Murphysboro. All are within a fifteen-minute drive from Carbondale.

Located practically in the heart of the campus is the Lake-on-the-Campus. This facility is a recent development on the Carbondale Campus designed to provide recreational, social, and educational opportunities for students and faculty members. The facilities enable an individual to enjoy the natural beauty of the area and a momentary break from the demanding schedule of work and classes. The forty-acre lake provides swimming, boating, and fishing facilities and is surrounded by twenty-five acres of woods with picnic areas, two miles of lighted paths, and recreational games areas. The swimming area is chlorinated in order to provide the utmost safety to those using it. Many special activities are scheduled at the lake each summer, such as bike hikes, watermelon feasts, bonfires, song fests, musicals, weiner roasts, faculty-student picnics, canoe races, swimming races, fishing derbys. Since fishing is one of the most popular activities at the lake, it has been adequately stocked with large-mouth bass, bluegill, and sunfish. Twenty fishing piers have been constructed that extend into the lake to provide safe casting. Geodesic domes, designed by Professor R. Buckminster Fuller, shelter the five major picnic areas; in each area, tables, electrical outlets, wood supply, and waste containers are provided. Recreational equipment such as softballs, volleyballs, horseshoes, and fishing tackle is available for check-out free of charge to the students at the boatdocks. Boats, canoes, and bicycles are also available at a minimum charge. Many University departments use the area to supplement classroom work.

During the summer session, group trips are planned to attend the St. Louis Municipal Opera and to visit various historical sites in Southern Illinois. Swimming and intramural recreation programs are sponsored by the physical education departments. Outdoor square-dancing programs are available. Weekly free movies are provided by Audio-Visual Services. All of these programs provide suitable outlets for the students' recreational entertainment needs.

2 / Admission and Registration

ADMISSION

INQUIRIES CONCERNING ADMISSION to the Carbondale Campus should be directed to the Admissions Office. A student seeking admission as a degree student on the graduate level needs to have his application and a transcript from each institution previously attended forwarded to the Admissions Office by the last Saturday in March. Otherwise he will be admitted as an unclassified student for the summer. A student seeking admission on the undergraduate level should have all necessary papers filed with the Admissions Office no later than May 15 so that the necessary processing work may be completed.

Complete information relative to admission policy and procedure for undergraduate students will be found in the General Information issue of the *Southern Illinois University Bulletin*. Graduate students should refer to the Graduate School issue.

Admission items of specific application to the summer quarter and which will not be found in the General Information issue apply (1) to the undergraduate student attending another institution and who expects to graduate therefrom and who desires to attend Southern during the summer quarter only, (2) to a former student of Southern who plans to attend the summer quarter, and (3) to the high school senior who ranks in the lowest third (lower 60 percentiles for out-of-state students) of his graduating class who is permitted to enter (on scholastic probation) for the summer. In the first case the student will be admitted as an unclassified student on the basis of a letter of good standing from the registrar of the institution the student is attending. In the second case a former student who attended the 1963 summer session and was in good standing at the close of the session need not apply for re-entrance clearance prior to advisement and registration for the 1964 summer quarter. In the third case the student must have registered for a minimum of 9 quarter hours during the summer quarter, and he must have completed his summer course work with a C average or better in order to continue in attendance during the fall quarter. Otherwise, he must remain out of school until the 1965 winter quarter.

Social Security Identification Number

Effective with the 1964 summer quarter, a student seeking admission to the University will need to present a social security number for identification pur-

poses. Your local social security office will help you obtain a number, replace a lost card, or answer any social security question. At Carbondale, the social security office is at 1007 West Main Street.

Required Tests

Each entering freshman must furnish the University with scores on the test battery administered by the American College Testing Program (A.C.T.). These tests are given at regional centers throughout the United States in November, February, and April. Information and application blanks are normally available through the high school guidance director or principal, or may be obtained by writing directly to the American College Testing Program, Box 168, Iowa City, Iowa. Test results do not govern admission to the University except for those students who are in the lower ranks of their high school classes and are seeking admission for the fall quarter. They are used to help determine the correct course placement, awarding of scholarships, selection of honor students, and counseling. An entering freshman will not be permitted to advance register for the summer quarter until the University has received the test results for the student. These must come from the American College Testing Program, Iowa City, Iowa.

An out-of-state student who finds it impossible to take the A.C.T. tests may have scores from the College Entrance Examination Board (C.E.E.B.) submitted. The specific scores which must be submitted in this event are Scholastic Aptitude Test (S.A.T.), English Composition Test, and Mathematics (Intermediate) Test. To provide comparable test data, a student who submits C.E.E.B. test data will be asked to submit scores from the A.C.T. test no later than one month after registration.

A transfer student must furnish test scores to the Counseling and Testing Center. If the student has previously taken the A.C.T. tests, a transcript of these scores is available by sending one dollar and a written request to the American College Testing Program, Box 168, Iowa City, Iowa. If scores from similar tests are on file at the former school, a request should be made for their forwarding. (Such scores are not normally sent with a person's transcript of grades and must be requested separately from the appropriate office at the former school.) If no tests have been taken, the student should arrange to take the A.C.T. tests.

REGISTRATION

The Carbondale Campus uses a central advisement and an advance registration system. The advance registration period for the 1964 summer quarter is from April 8 through May 29 and on June 11 and 12. Summer students should make

every effort to consult their academic advisers and register during the advance registration period. Otherwise, they might not be able to secure needed, or desired, courses.

Initiation of Summer Registration

Undergraduate Students in attendance at Carbondale during the 1963 summer session or the 1964 spring quarter should initiate the registration process by reporting to the Academic Advisement Center, in building T65.

A student who has taken work from Southern (Carbondale Campus) either in residence or through extension but who was not in residence during the 1963 summer session or the 1964 spring quarter must contact the Admissions Office for clearance prior to registration.

A new undergraduate student must contact the Admissions Office to be admitted. If the student is entering directly from high school he must also have completed the necessary tests before he will be permitted to advance register. If the student is entering the University from another institution of higher education he must wait to be advised and to advance register for a two-week period after admission. Such a student will not be able to come to the campus and be admitted and advised on the same day during the advance registration period. The reason for this is that it is necessary to have an evaluation of his previous work prepared prior to advisement. This restriction will not apply to those students admitted as unclassified students.

A student who is currently attending or last attended the University at the Edwardsville Campus and who plans to attend the Carbondale Campus during the 1964 summer needs to initiate his registration process by contacting the Admissions Office. At that time he needs to have either an official transcript of his Southern record or a letter explaining his academic status from the registrar at the Edwardsville Campus. The reason for his having to contact the Admissions Office is to permit the necessary student information coding to be done.

Graduate Students should follow the procedure outlined above, except that graduate students who attended the Carbondale Campus during the 1963 summer session or the 1964 spring quarter should initiate the registration process by reporting to the Graduate School office, 309 West Mill Street.

Advisement and Sectioning

Academic advisers are available by appointment throughout the advance registration period. Saturday mornings are reserved for students who were not on campus during the 1964 spring quarter.

Following advisement, registrations are processed at the Sectioning Center, on the second floor of the University Center. The Sectioning Center is open

from 8:00 A.M. to 5:00 P.M., Monday through Friday, April 8 through May 29. Registrations will also be processed until noon on Saturdays during this period and on June 11 and 12 for students who were not on campus during the 1964 spring quarter. On May 23, registrations will not be processed after 11:30 A.M.

Fees

As the 1964 summer program is to be offered on a regular quarter basis, fees will be assessed on the regular quarter fee schedule.

The University reserves the right to change fees and to have the change go into effect whenever the proper authorities so determine. Under the current fee schedule, Illinois undergraduate students taking more than 8 hours will pay the following regular fees:

Tuition	\$42.00
Book rental	5.00
Activity fee	9.50
Student union building fund fee	5.00
Total	<hr/> \$61.50

An Illinois undergraduate taking 8 or fewer hours will pay half tuition and book rental, will have an option of paying the activity fee, and will pay the full student union building fund fee. Once an option has been made by a student at the time of registration as to whether or not to pay the activity fee, such option is irrevocable. A part-time student, then, will pay either \$28.50 or \$38.00.

Out-of-state students will pay an additional tuition of \$50.00 if taking more than eight hours and an additional \$25.00 if taking eight hours or fewer.

Graduate students buy their textbooks and do not pay the book rental fee.

In addition to the above, students registering for the first time during the year for AF ROTC will be subject to a \$5.00 equipment deposit.

Students having special fee status, such as scholarship holders, faculty, and staff, will pay fees according to their particular status.

Course Changes and Withdrawals from the University

A prescribed procedure must be followed by a student who desires to change his program or to withdraw from the University while the period for which he has registered is in progress. Failure to follow the official procedure will result in academic penalty.

No student may make a program change until he has paid his fees.

Program changes by an undergraduate student must be initiated with his academic adviser. Changes by a graduate student must be approved by the chairman of the student's advisory committee and the dean of the Graduate

School. Program changes may be made after the student has paid his fees, but no changes will be accepted at the Sectioning Center on June 15. Program changes made for reasons other than "for the convenience of the University" will carry a \$2 fee.

Official withdrawal from the University is initiated at the Student Affairs Office. A student who officially withdraws on or before June 27 may obtain a full refund of fees provided his application for a refund is submitted to the Registrar's Office not later than June 28. Otherwise, no refund is permitted.

Class Periods

Class periods are fifty minutes in length with ten minutes allowed between consecutive periods, beginning at 8:00 A.M., C.D.T. Eight-week classes are seventy-five minutes long and start at 7:30 A.M.

Academic Load

Normal academic load for the summer quarter is 16 hours. Maximum load is 21 hours (14 for a student on probation). Minimum full-time load is 12 hours.

Requirements for a Bachelor's Degree

Anyone seeking a bachelor's degree at the Carbondale Campus is referred to pages 44-45 of the 1963-64 General Information bulletin, which may be obtained from Central Publications. Students who matriculated in the University prior to the 1962 summer session are to complete the old general degree requirements; others must satisfy the General Studies requirements.

3 / Special Instructional Programs

Listed in this section are programs of special interest to high school juniors and seniors, recent high school graduates, regular college students, and part-time students who may or may not be working toward a degree. Among the special programs are field courses, institutes, workshops, short courses, lectures, and conferences. Both credit and noncredit programs are listed.

CREDIT COURSES

Students may register for the credit courses during the advance registration period from April 8 through May 29 and on June 11 and 12. Students may also register on June 15. Students registering only for a special course which begins later than June 15 may do so at the first meeting of the course without late fee payment.

Fees for the special credit-courses are assessed on the same basis as fees for regular courses. (See "Fees" in chapter two of this bulletin.)

Workshops and Short Courses

Agricultural Industries

Advanced Farm Management (Agricultural Industries 450-4) June 22-July 17, 10:20-1:00, Monday through Friday. Methods of analyzing farm enterprises, comparing farm businesses, allocating farm resources, combinations of enterprises, and production factors. Field trips. Prerequisite: 350.

Seminar (Agricultural Industries 581-1) June 22-July 17. Students will work on a common problem in agricultural economics.

Animal Industries

The Range Livestock Industry (Animal Industries 486-4) June 15-July 10. Designed to acquaint advanced animal industries students with range

livestock operations, the course consists of full-time classroom review of beef cattle and sheep production followed by a two- to three-week field trip throughout the range area. Cost is shared by students. Prerequisites: 480 and 485.

Art

Pottery (Art 302-8) June 15-27. Methods and techniques for building with clay, throwing techniques, decorating and glazing methods and techniques, and firing techniques are covered. The nature and composition of clays and glazes, the chemical and physical changes which occur during firing, elementary chemistry of glazes and color, and the aesthetics of pottery are dealt with in theory.

For those students who have previous experience in ceramics, advanced theory and techniques are offered, including mould making, ceramic sculpture, mosaic and base relief construction, formulation of glazes from chemical formulas, making special clay bodies, and investigation of special problems.

Studio in Sculpture (Art 405-8) June 15-July 31. Studio workshop in wood and stone carving. Emphasis is on the techniques and aesthetics of direct carving. Consent of the instructor is required for registration.

Studio in Drawing (Art 441-2 to 6) Four weeks. For advanced students who wish to develop and deepen their ideas. Each student meets by appointment with the instructor. Problems are dealt with as they arise. Discussion then involves the student dialectically with the great forming notions of the masters, past and present.

Clothing and Textiles

Interior Design (Clothing and Textiles 432-3) June 15-26, Monday through Friday, 9:00-12:00 and 1:00-4:00. Advanced problems in interior decoration with emphasis on commercial interior design involving transportation systems, industrial buildings, and government buildings. Designed to aid leaders in the field with current problems. Discussion, reports, lectures, and other methods of analyzing and working on solutions to problems. Presentation by resource personnel. Prerequisites: 391c or consent of instructor.

Recent Developments in Clothing and Textiles (Clothing and Textiles 528-4) July 13-August 7, Monday, Tuesday, Thursday, and Friday, 8:55-11:35. Emphasis on the physical properties of the currently marketed fibers and fabrications. Interpretation of these to design and clothing construction. Prerequisites: 127, 135, or consent of instructor, Miss Rose Padgett.

Special Problems in Interior Design (Clothing and Textiles 572-3) June 29-July 10, Monday through Friday, 9:00-12:00 and 1:00-4:00. Empha-

sis on housing, furniture arrangement, color, and materials in the home, etc. For teaching majors at the graduate level.

Economics

Economic Education Workshop (Economics 490-4 or Secondary Education 490-4) August 10-21, Monday through Friday, 9:00-11:40 and 1:00-3:40. Detailed information appears under "Secondary Education" in this chapter.

Educational Administration and Supervision

Seminar in Comparative Education: Soviet Russia (Educational Administration and Supervision 502s-4) June 15-July 10, Monday through Thursday, 1:10-3:50. A study of Soviet education in historical, cultural, political, philosophical, and world perspective. Emphasis is on education in communist morality and the creation of the "New Soviet Man." The seminar also includes a sober consideration of the challenge to American education and of the issue of the study of communism in our schools. The instructor, Professor George S. Counts, reads and speaks Russian and is a foremost authority on Soviet education.

Elementary Education

Aero-Space Education Workshop (Elementary Education 402-4 or Secondary Education 402-4) August 10-21, Monday through Friday, 8:55-11:35 and 1:10-3:50. See "Secondary Education" for details.

Improvement of Instruction in Arithmetic (Elementary Education 415-4, Section 2) June 29-July 24, Monday through Friday, 1:10-3:50. Emphasis is given to new instructional practices, materials of instruction, methods of providing for the gifted, and means of evaluating achievement. The workshop is open to both graduate and senior college students and is planned particularly to meet the needs of in-service and prospective teachers. Students should bring with them the new state guide. The instructor is Dr. Cleo Carter.

Workshop in Creative Writing in the Elementary School (Elementary Education 430-3) June 15-26, Monday through Friday, 8:55-11:35 and 1:00-3:00. Teachers have the unusual opportunity to work with Mauree Applegate of La Crosse State College. Miss Applegate is the author of *Easy in English*, *Helping Children Write*, *Everybody's Business*, and others. She has directed numerous workshops helping teachers improve their children's writing.

Workshop in Kindergarten-Primary Education (Elementary Education 433-4) June 29-July 24, Monday through Friday, 8:55-11:35. For in-service and pre-service kindergarten and first-grade teachers who wish to improve the

educational program for young children by studying problems related to school beginners, curriculum, administrative procedures, evaluation and parent education, and the implications of the needs of four-, five-, and six-year-old children as they are related to the school program. Library facilities and the facilities of the University School furnish background for discussion of current issues. Much time is devoted to group and individual observation in the University School. Dr. Rebecca Baker is the instructor. Staff of the University are available for discussion and consultation wherever needed.

Workshop in Elementary School Foreign Language Instruction (Elementary Education 435-4 or Foreign Language 435-4) June 15-July 10, Monday through Friday, 8:00-12:00. See "Foreign Languages" for description.

Workshop in Economic Education in the Elementary Schools (Elementary Education 490-2) August 3-7, Monday through Friday, 8:55-11:35 and 1:10-3:50. The workshop deals with the relating of the fundamental idea relationships of economic knowledge to the child's experience on all grade levels of the elementary school. Dr. Lawrence Senesh, Professor of Economics, Purdue University, is the director. He has been the director of the Elkhart, Indiana, Experiment in Economic Education. Significant curriculum materials have been developed in connection with the Elkhart, Indiana, schools.

Leadership in Elementary Education (Elementary Education 558-2) June 29-July 3, Monday through Friday, 8:55-11:35 and 1:10-3:50. The workshop provides the opportunity to study some of the newer developments in the organization and instruction of the elementary school. Problems considered are team-teaching, non-guided schools, grouping, and the impact of newer curriculum developments. Dr. Vernon Hicks, Chairman of the Department of Elementary Education at Michigan State University, is the instructor. Dr. Hicks, an alumnus of Southern, is author of *The Elementary Principal at Work and Elementary School Curriculum*.

Foreign Languages

Workshop in Elementary School Foreign Language Instruction (Elementary Education 435-4 or Foreign Language 435-4) June 15-July 10, Monday through Friday, 8:00-12:00. This course is open to seniors and to all those who plan to teach a foreign language at the elementary level. Special attention is given to the problems of teachers who are using television foreign-language programs. The morning periods alternate discussions of methods and materials with oral drill sections in French and Spanish. Students may observe children's classes in those languages each morning. The course also includes teaching films and lectures by visiting personnel. The course may be repeated for a total of eight hours.

Travel-Study Course in Mexico (Spanish 360-3) June 12-August 10. This course is offered in conjunction with the Summer Study Abroad Program of the Latin American Institute and consists of two and one-half weeks of travel and study in Mexico following residence at the University of The Americas in Mexico City where the group attends classes for six weeks. The two programs carry a maximum of twelve hours of credit (3 from Southern, and 9 from the University of The Americas).

Spanish 360 is open to all students who have completed Spanish courses at the second-year college level. Applications may be accepted from students who cannot qualify for Spanish 360, and if accepted they may register for Spanish classes beginning at the elementary level at the University of the Americas, but preference will be given those participants taking the complete program.

The fee for the combined Travel-Study and Summer Study Abroad programs is \$440 and includes transportation, lodging, and guide service, plus academic fees and two meals daily in Mexico City (but not elsewhere). A preliminary registration fee of \$50 is due not later than April 15, with the balance due not later than May 15. In addition, students in Spanish 360 pay the regular fees at Southern.

Enrollment is limited to eighteen, and applicants are accepted on a strict priority basis. The institute and the director of the study group jointly reserve the right to accept or reject applicants. Students may contact J. A. LaFontaine, Latin-American Institute.

For the first time this year, a non-language major group will be included in the program. Mr. Walter E. Craig of the Department of Printing and Photography will be in charge of the courses which will be primarily for advanced students, although he will also conduct a course to aid the registrants in general with their problems of preparing a photographic record of the experiences.

Geology

Field Geology (Geology 450-9) June 15-July 24, Monday through Friday, 8:00-12:00 and 1:00-5:00. All work is off-campus in the field in southeastern Missouri and southern Illinois. It is a field mapping course including problems in stratigraphy, structure, paleontology, physiography, and economic geology including a written geologic report.

Guidance

Placement Counselor Training Program for the Blind (Guidance 481-6, section 1) June 7-July 10. Sponsored by the Rehabilitation Institute in co-operation with the Federal Office of Vocational Rehabilitation, this course is designed primarily for those workers already employed in the field of rehabilitation of blind persons.

Particular emphasis is given to practicum assignments in demonstration, observation, job analysis, and variations of role-playing and/or sociodrama. The

third week of the course is devoted to field work in a metropolitan area observing a variety of occupations which can be done without sight.

Applications for admission and a traineeship stipend may be made through regional offices of the Federal Office of Vocational Rehabilitation, or sent directly to the Co-ordinator, Placement Counselor Training Program (Blind), Rehabilitation Institute.

Institute for Rehabilitation Personnel (Guidance 481-4, section 2) August 17-28. Sponsored by the Rehabilitation Institute, this course is designed primarily for those workers already employed in the broad field of rehabilitation. Emphasis is on the scope of rehabilitation, services available to the handicapped, skills inherent in the rehabilitation process, and methods of mobilizing professional and community resources to meet the needs of the disabled.

The Illinois Division of Vocational Rehabilitation, the Illinois Tuberculosis Association, the Illinois Department of Mental Health, the Illinois Public Aid Commission, and the Illinois State Employment Service are co-operating with the University in conducting this institute. There are other state and private agencies participating in the program. Prominent speakers from Southern Illinois University, other universities, rehabilitation agencies, and state and federal offices participate.

Students are admitted only by special permission of a committee. The admission procedure will be outlined in an advanced announcement of the institute. For additional information, contact Dr. Guy A. Renzaglia, Director, Rehabilitation Institute.

Health Education

Workshop in Health Education (Health Education 461-4 to 6, 462-4, 463-4) June 15-July 10, Monday through Friday, 1:10-4:30. The workshop is open to senior and graduate students and to others by consent of the workshop director.

The workshop provides the opportunity for work and participation in school health instruction, school health services, school health environment and administration. Lectures are given by Southern Illinois University staff members and outside specialists. Students take part in group workshop sessions, consider individual school health problems, participate in groups discussions, have a preview of audio-visual aids, evaluate teaching materials, and see demonstrations and have practice in testing and screening for health. The workshop has been designed for public school teachers, school nurses, school administrators, and health educators.

Workshop in Safety Education (Health Education 480S-4) July 13-August 6, Monday through Friday, 1:10-4:00. For pre-service and in-service

teachers of driver education and traffic safety. Workshop participants exchange ideas with staff and consultants.

Consultants from national and state agencies present lectures and demonstrations. There also is time for individual problems, group discussions, and opportunity for review of current philosophy and methods in the teaching of traffic safety education. Prerequisite: Health Education 312 and 323 or consent of workshop director.

Home and Family

Workshop on Problems of Teaching Family Life (Home and Family 407-2), July 13-24, Monday through Friday, 1:10-3:50. The major goal of this study is to define the unique problems of teaching family life and to investigate possible answers to these problems. Group discussion focuses on important topics such as the selection of textbooks, the use of visual aids, counseling, problems of public opinion, and personality characteristics of teachers. The director is Professor George R. Carpenter.

Advanced Home Management (Home and Family 550-4) June 29-July 24, each day except Wednesday, 8:55-11:35. This study of current research on time, money, energy, fatigue, decision-making, and organization and its application to home and family life should be of particular interest to those who work with families as teachers, extension or agency workers, or those who seek to understand and improve their own management. Professor Betty Jane Johnston is the instructor.

Industrial Education

New Developments in Technological Education (Industrial Education 560-2 or Secondary Education 560-2) four days each week, 10:20-11:35 and 1:10-2:25. Students may register for a two-week intensive course at four different periods during the summer session, thus earning from two to eight hours of credit. The subject deals with significant developments, pressing problems, and emerging trends in the industrial education and technical fields. Selected subjects are handled by recognized authorities in the field.

Outstanding specialists have been selected to present lectures on the newer developments as they have become apparent during the past scholastic year. The subjects and the schedule of presentation follow:

Section 1: New Approaches to Industrial Arts, June 16-25. Dr. Robert Swanson, Assistant Dean, School of Applied Science and Technology, Stout State College, Menomonie, Wis.

Section 2: Federal Legislation and Evolving Programs of Vocational Education, June 30-July 9. Dr. M. D. Mobley, Executive Secretary, American Vocational Association, Washington, D.C.

Section 3: Improvement of Instruction Through Modern Technological Devices, July 14–23. Dr. James Rokusek, Industrial Arts Teacher, Silver Springs, Maryland

Section 4: Adult Vocational Education, July 28–August 6. Dr. Walter Brown, Director of Vocational-Technical Education, Phoenix, Arizona.

Instructional Materials

Preparation of Teacher-Made Audio-Visual Materials (Instructional Materials 445–4) June 15–July 10, Monday through Friday, 7:30–10:10. The workshop is designed to provide experiences in the preparation of such teacher-made materials as felt boards, buzz boards, accordians, passe-partout, slides, transparencies, lettering, and dioramas; mounting of pictorial materials; and many other production skills. It demonstrates how these instructional aids can be produced with a minimum of materials and time.

Classroom Teaching with Television (Instructional Materials 450–2) August 10–14, Monday through Friday, 8:55–11:35 and 1:10–3:50. Emphasis is on the changed role of the classroom teacher who uses television. Evaluation of programming, technicalities of ETV, and definition of responsibilities are included. Demonstration and a tour of production facilities are provided.

Journalism

High School Journalism Clinic (Journalism 420–2 to 4) July 13–25. The two-week clinic is designed for newspaper advisers, yearbook advisers, or journalism teachers from high schools and junior colleges. Teachers may concentrate in either newspaper or yearbook sequences and work directly with high school students attending the month-long High School Communications Workshop (journalism section). A fully experienced school adviser assists with instruction along with Department of Journalism staff members.

Summer Workshop in News Analysis in the Classroom (Journalism 499–3) July 27–August 5, Monday through Friday, 9:00–11:45 and 1:00–3:50, evenings optional. Study of the newspaper as a teaching aid in the junior and senior high school and upper elementary grades with emphasis upon methods of helping the student to learn to employ the journalistic media in achieving social and economic adjustment.

Professional newsmen explain the procedures of gathering news from international, national, regional, and local sources, the editing processes, and the various roles of the newspaper. There is also a study of current public issues as a means of providing background information required for critical reading of news reports. Demonstrations and displays illustrate the work of successful teachers working in this area. The workshop staff includes a large number of working newspapermen and members of the University faculty.

Music

Opera Workshop (Music 346 or 568-2 to 8, *Section 1*) June 15–August 7, Monday through Friday. The Department of Music is offering its ninth Annual Summer Musical Theater under the direction of William Taylor. The workshop extends for eight weeks beginning June 15 and may be elected for 2, 4, 6, or 8 hours of credit with consent of the instructor. In past summers such large-scale works as *Oklahoma*, *Finian's Rainbow*, *Most Happy Fella*, *Carousel*, *South Pacific*, and *Music Man* have been presented. Members of the workshop are on call for rehearsals nightly from 7:00 to 10:00. Special workshop projects are planned for afternoon sessions on call daily from 2:30 to 4:30. The workshop is a medium of experience for singers, instrumentalists, actors, stage crews, and music or dramatic directors who wish to gain a deeper insight into the production problems of this type of performance.

Opera Workshop (Music 346 or 568-2 to 8, *Section 2*) June 15–July 24. After operating successfully for three summers, opera workshop is to be offered at Hot Springs, Arkansas, under the direction of Marjorie Lawrence. Housing is available at a minimum rate at the Hot Springs ranch (for a limited number of students) and in the city. Normal enrollment procedure should be followed. Consult the chairman of the Department of Music for details.

This workshop offers an intensive program of vocal training and operatic coaching for those musicians primarily interested in the oratorio and operatic phases of musical experience. Supplementary work in music literature and theory is offered. Several performances of outstanding oratorio and operatic excerpts are given in Hot Springs and surrounding communities, culminating in a final concert at the end of the workshop.

Seminar in Choral Materials and Techniques (Music 553-3) July 6–17, Monday through Friday, 9:00–12:00. An intensive survey of effective choral literature combined with rehearsal techniques designed to improve the singing technique, diction, intonation, tone quality, balance, blend, phrasing. Emphasis is on securing optimum performance by means of conducting techniques.

Seminar in Instrumental Materials and Techniques (Music 554-3) July 6–17, Monday through Friday, 1:00–4:00. An intensive evaluation of materials suitable for the beginning and advanced instrumental groups in the schools; a discussion and demonstration of effective techniques for improved performance. This workshop is conducted by a team of experienced teachers representing each of the instrumental areas: strings, woodwinds, brass, and percussion.

Plant Industries

Fertilizers and Soil Fertility (Plant Industries 407A-3) June 22-July 17, 7:30-10:10, Monday, Wednesday, Friday. The uses of fertilizer materials; effects of various fertilizers on soils and crops; fertility maintenance and soil management.

Recreation and Outdoor Education

Playground Leadership (Recreation and Outdoor Education 312-2, Section 1) June 10-13. The Annual Playground Leadership Training Institute, now known at the Playleaders Summer Institute, will be held at the Little Grassy Lake camp. Registration is between 1:00 and 4:00 P.M. on June 10th with the program starting at 7:00 that evening. The institute officially closes at noon, June 13th.

Recreational, educational, and social activities are scheduled all through the several days of the institute. Classes or activities, for the most part, begin at 9:00 A.M. and continue through the day until 11:00 P.M. on June 11 and 12. Each registrant receives a complete program of scheduled activities as well as a list of non-scheduled recreational opportunities.

This institute is primarily a workshop for learning or improving upon basic recreation skills, play leadership methods and techniques, and the understanding and practice of group dynamics. The course may be taken either for credit or non-credit. For further details, call or visit the Department of Recreation and Outdoor Education.

Secondary Education

Aero-Space Education Workshop (Secondary Education 402-4 or Elementary Education 402-4) August 10-21, Monday through Friday, 8:55-11:35 and 1:10-3:50. The purpose of this workshop is to stress the importance of the topic of aero-space education in modern civilization. Every effort is made to study well the social implications for present day society. Some of the most elementary questions in the scientific background of this period are answered to the extent that such information is needed by the social studies teacher in discussing these problems. The United States Civil Air Patrol is co-operating with the two departments in presenting this workshop.

The course points out the numerous available source materials and resource individuals that should be known by elementary and secondary school teachers. Some optional field trips may be taken. Please direct inquiries to Dr. Clarence D. Samford, Department of Secondary Education.

Economic Education Workshop (Secondary Education 490-4 or Economics 490-4) August 10-21, Monday through Friday, 9:00-11:40 and 1:00-3:40. Dr. Thomas Martinsek of the Department of Economics is co-ordinator.

The plan is to have lectures dealing with common economic problems presented daily by outside resource people. The remainder of each day is devoted to discussing the content of the lectures and suggesting implications for developing economic concepts in the schools' curricula, grades one through twelve.

This workshop is co-sponsored by the Joint Council on Economic Education and Illinois Economic Councils of Education and by the departments of Secondary Education and Economics. Schools are encouraged to send a team of participants. Ideally, a team would consist of a teacher from each of the grade levels and an administrator. However, it is possible that one teacher may be accepted from a school system. Please direct inquiries to Dr. Clarence D. Samford, Department of Secondary Education.

Southern Illinois University-Oxford Study Program

This program, which runs from June 17 through August 27, includes a two-week tour of Scotland and England, four weeks of lecture and tutorial at St. Catherine's College, Oxford University, and a four-week tour of continental Europe. Students desiring undergraduate credit may register for GSC 318-3 and 320-3. Students desiring graduate credit in government, history, or sociology should consult the appropriate department relative to the courses for which they are to register. Dr. James Benziger, Department of English, and Dr. Douglas Rennie, Department of Sociology, are co-directors of the program. Positions will be taken early, but any interested person may contact either co-director relative to last minute vacancies.

Special Education

The Gifted Child (Special Education 418-4, Section 1) June 29-July 24, Monday through Friday, 8:00-3:00. A workshop for teachers of gifted children. A demonstration class is observed each morning while the afternoon session centers on identification, organization, and procedures. During the second two weeks, active participation in a student teaching situation will be a part of the experience. Since this is co-sponsored by the Illinois Department of Public Instruction, stipends are available. Interested students should write to the Department of Special Education for information on the stipends.

Theater

Practicum in Theater (Theater 322-12 or 519-12). The Southern Players Summer Stock Company, sponsored by the Department of Theater, produces five full-length plays: *The Mousetrap* by Agatha Christie; *Look Back in Anger* by John Osborne; *The Millionairess* by George Bernard Shaw; *The Fantasticks* by Tom Jones and Harvey Schmidt; and *Night of the Iguana* by Tennessee Williams.

Students accepted for the company cannot be registered for any other courses. Rehearsals, construction and painting of scenery, etc., occupy mornings and

afternoons every day, and performances take place in the evenings. Applications and two letters of recommendation should be addressed to Dr. Jim Bob Stephenson, Department of Theater.

Summer Institutes for High School Teachers

Students enrolling in the biology or mathematics program under grants from the National Science Foundation pay no tuition or fees. They are not entitled to the special student benefits of hospitalization. The participants are entitled to the normal services provided by the medical staff of the University Health Service. Any obligation incurred by referral to specialists for medical or dental care and any hospitalization expenses are to be paid for by the enrollees. Books and some materials used in the institute are to be purchased by the student.

Biology

Southern Illinois University is one of several universities selected by the National Science Foundation to offer a special eight-week institute for biology teachers, from June 15 through August 7.

The institute is designed to improve the teaching of biology in high school by allowing the participants to extend their preparation in subject matter. It should also contribute to greater mutual understanding and appreciation of teaching problems between secondary and college teachers.

Courses are in anthropology, botany, microbiology, and zoology. Visiting lecturers participate in a special required course dealing with recent developments in biological sciences. (See the Schedule of Classes for specific courses.) Credit for some of the courses may be applied toward a master's degree. Applications for stipends must be postmarked by February 15, 1964.

German

NDEA German Summer Institute for Teachers of German (German 544-9 or Secondary Education 544-9) June 22-August 7, Monday through Friday, 7:40-12:25, 2:00-5:05. Offered in co-operation with the U.S. Office of Education under the Language Development Program of the National Defense Education Act, this institute provides opportunities for high school teachers to increase their audio-lingual proficiency and to become better acquainted with the latest techniques and materials of instruction. Emphasis is on aural comprehension, speaking, writing; training in applied linguistics; proper use of the language laboratory; and a study and understanding of Germanic cultures.

Application forms should be postmarked no later than March 1, 1964. For additional information, consult Dr. Helmut Liedloff, NDEA Summer German Institute.

Mathematics

A Summer Institute for High School Teachers of Mathematics (Grades 7–12), sponsored by the National Science Foundation, June 14–August 7. The purpose of the institute is to improve the teaching of high school mathematics by improving the mathematical competence of teachers.

Stipends will be provided for the participants by the National Science Foundation, and the University will provide tuition scholarships. Some students not receiving stipends are permitted to enroll. For details on courses, see the listing under Mathematics in the Schedule of Classes. Applications for stipends must be submitted no later than February 15, 1964. Additional information may be obtained from the director of the institute, Dr. W. C. McDaniel, Department of Mathematics.

NONCREDIT COURSES

Adult Education Short Courses

Various noncredit adult education courses are offered by the Division of Technical and Adult Education. Some are described below. Adult Education also offers courses which meet one night each week for eight weeks, in business, portrait painting, machine drafting and design, and home building ideas. For details, or inquiry about courses not listed, write to Adult Education, Southern Illinois University.

School Lunch, June 15–19. Mornings are given over to quantity food products, and the afternoon sessions deal with evaluations, sanitation, using the school lunch room for emergency seating, and working with people. The sessions are held in the Home Economics Building. They are designed primarily for school lunch room workers and administration. Three people from active and school lunch work assist with the food preparation, and all meals are prepared while on the Southern Illinois University campus by the students of the class. This course is offered in co-operation with the School of Home Economics. Tuition: \$5.50, plus \$2.00 for supplies. Housing is extra.

School of Advanced Cosmetology, July 26–August 8. This school, held in co-operation with the Illinois Hairdressers and Cosmetologists Association, is for owners and operators of beauty salons to learn the latest techniques and methods of chemistry of cosmetics, physics of hair, contest work in hairstyling, make-up, salon management, time and motion study, advertising, art, and color design; all to produce higher profits. Housing and food services are available.

Youth World, August 9–14. Outstanding students selected by civic and professional organizations attend this course, to learn by participation the elements of parliamentary procedure and the application of democratic processes. It is offered jointly with the University's Local Government Center. Total fee includes tuition, instructional supplies, housing, meals, and banquet.

Illinois Bankers School, August 31–September 11. This two-week school, held in co-operation with the Illinois Banker's Association each year, is open to employees of banks. Its purpose is to provide techniques and latest methods among which are bank operation, trusts, Federal Reserve, farm and commercial credit, economics, speech, and accounting.

Lectures and Conferences

Each summer, as well as during the regular school year, various departments schedule conferences, lectures, exhibits, or clinics in co-operation with the Division of University Extension. A partial list of those available this summer is provided below.

Educational Materials Exhibit, June 29–July 1. One of the outstanding exhibits of educational materials held in the midwest. Representatives of approximately one hundred publishers and distributors of educational materials are available to explain their products. For further information contact Dr. Benson B. Poirier, Division of University Extension.

Summer Education Conference, July 1. In connection with the Educational Materials Exhibit, the College of Education sponsors a conference dealing with current educational problems. Noted authorities are in attendance to discuss and investigate the various aspects presented by the problems. Additional information can be obtained from Dr. Clarence Samford, Department of Secondary Education.

International Conference of Weekly Newspaper Editors, July 12–17. This workshop on weekly newspaper editorial policies features an outstanding faculty. For further information contact Dr. Howard Long, Department of Journalism.

Annual Coaching Clinic, August 5, 6. Distinguished coaches in both football and basketball present lectures and demonstrations of the principles and techniques applicable to their sport. All Illinois coaches and Southern Illinois University graduates are invited to attend without charge. A small fee is charged other coaches. Additional information is available from Dr. Andrew Vaughan, Intercollegiate Athletics.

Reading Improvement Workshop, June 16–August 6. This course is designed to help college-bound students improve their ability to read college-level texts and other materials. Instruction is based upon materials in actual textbooks used in the University's first-year courses as well as selected newspapers and periodicals. Additional information may be secured from Dr. Robert Karlin, Reading Center.

Programs for High School Students

Music and Youth at Southern

The Department of Music, in co-operation with the Division of University Extension and the Area Services Division, is offering a program for pre-college students, July 5–25. Outstanding leaders in music education rehearse the three main performing organizations: band, chorus, and orchestra. An intensive schedule, including sectional rehearsals and private lessons, together with introductory listening courses in music literature is provided. Musicians of high school age (including recent eighth grade graduates) are eligible to participate. Recreational activities are centered around campus facilities, especially the University Center. Final public programs by the performing organizations are scheduled for the end of the session.

National Science Foundation Programs

Courses designed for high-ability students ranking in the upper quarter of their high school classes and for students having special ability in science courses are offered in units consisting of any two of the following fields of the student's choice: animal taxonomy, engineering science, chemistry, experimental psychology, mathematics and computers, and animal physiology. Each student attends daily morning lectures (June 15–August 8) and, in addition, spends his afternoons conducting research problems under supervision in the course he designates as his field of major interest.

There is no tuition fee; and board, room, and travel are awarded in full or on the basis of need to the selected participants. Any high school student who will be a junior or senior in the spring of 1964 may apply. (Sophomores of exceptional ability will be considered only on a very limited basis.) Applications may be obtained from your high school or by writing to Dr. Howard J. Stains, Department of Zoology.

Summer High School Workshops in Communications

Workshops in journalism, debate, theater, photography, and radio-television are open to superior high school students who are currently in their sophomore or junior year. The workshops run, concurrently, for a period of four weeks

beginning July 5. High school students live in University-supervised residence halls. The students who attend should be those who will return to their schools with attitudes and skills which make for better high school programs.

In the *journalism* workshop, students learn how to produce better school newspapers and yearbooks. Students write and edit four issues of a workshop newspaper and a publication similar to a yearbook. In the last part of the workshop period they are also given writing assignments for the *Daily Egyptian*, Southern's student newspaper.

The *debate* students study and prepare cases in the general area of the national high school debate proposition. In this workshop, experiences are also provided in oratory, extemporaneous speaking, discussion, and after-dinner speaking.

The *theater* workshop consists of work in (1) acting and production with emphasis on training the individual through the use of monologues, excerpts from plays, and other presentational activities, and (2) technical theater and staging.

The *photography* workshop provides experience in taking, developing, printing, and editing pictures for publication. Students also make a short motion picture film.

The *radio-television* workshop provides experiences in announcing, programming, writing, and producing radio shows. Also some experience is offered in television production. Students in this workshop use the University's radio-television facilities.

Total fee for room and board and registration fee is \$110.

A social program of swimming, field trips, dances, horseback riding, plays, and picnics is also provided.

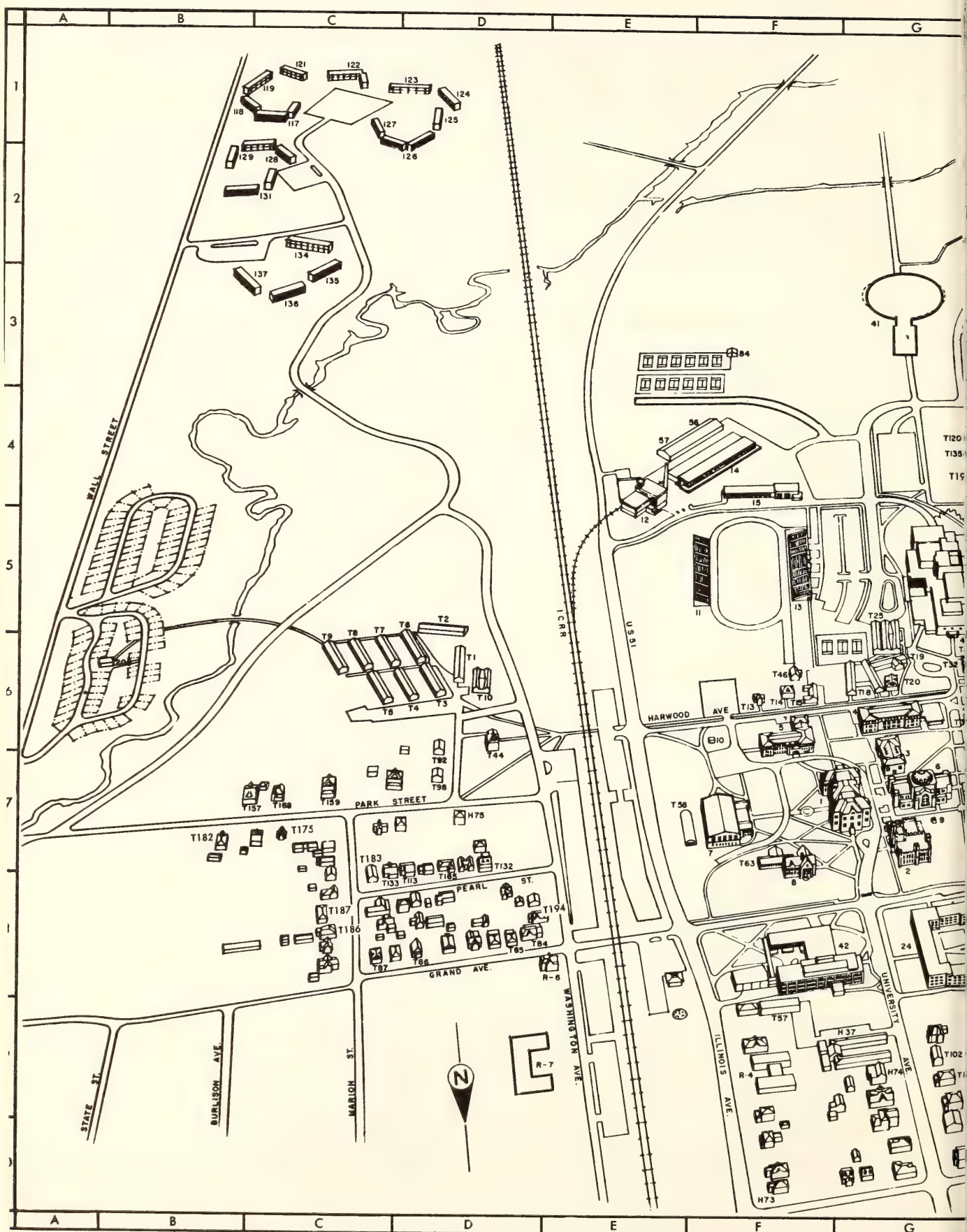
For further information write to Dr. Marion Kleinau, Summer School High School Workshop Co-ordinator, Department of Speech.

4 / Map of Carbondale Campus

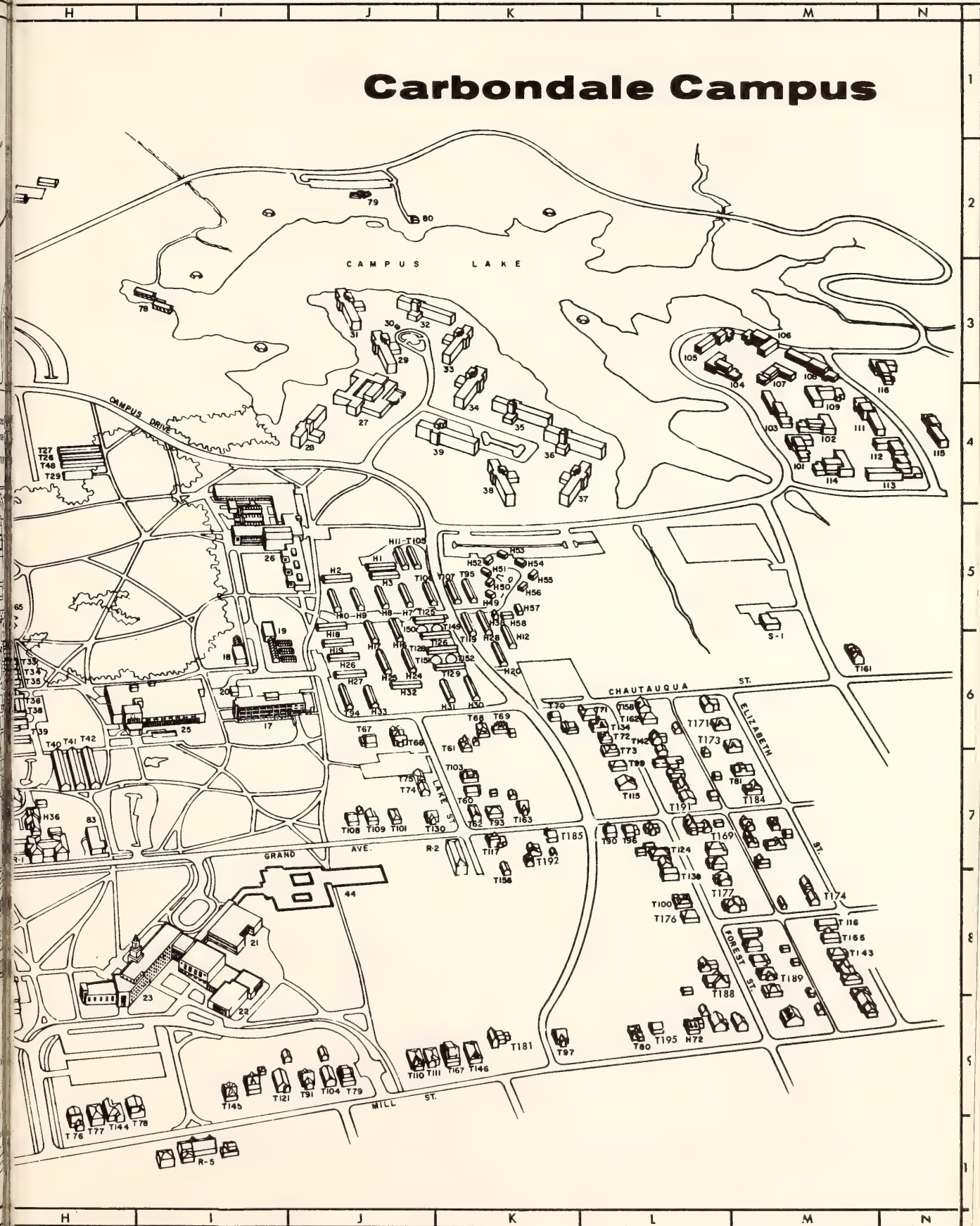
THIS MAP has been prepared primarily to help students find classrooms, offices, and housing.

ALPHABETICAL LIST OF BUILDINGS

38	Abbott Hall (K-4)	T141	Educational Television Research (K-7)
T32	Accounting, Department of (G-6)	T40	Education Classrooms (H-5, 6)
T78	Adult Education (H, I-10)	T41	Education Classrooms (H-5, 6)
T65	Advisement Center (H-5)	44	Education, College of (Proposed) (J-8)
T63	AFROTC Supply (F-7)	20	Electric Sub-station No. 9 (I-6)
26	Agriculture Building (I-5)	T91	English, Department of (J-9)
3	Allyn Building (G-6)	T102	English, Department of (G-9)
104	Alpha Gamma Delta (L-4)	T136	English, Department of (G-9)
2	Allgeld Hall (G-7)	T196	English, Department of (I-9)
T14	Alumni Service (F-6)	R5	Episcopal Foundation (I-10)
T96	American Board Examiners, Psychology (L-7)	5	Extension Service (F-6)
18	Animal Building (I-6)	T135	Faculty Club (G-4)
5	Anthony Hall (F-6)	117-137	Family Housing (B, C, D-1, 2, 3)
42	Anthropology, Department of (F, G-8)	T29	Farm Quonset Machine Shop (H-4)
57	Applied Science Laboratory (E-4)	34	Felts Hall (K-4)
T87	Area Psychological Service (C-8)	T115	Film Production Units (L-7)
5	Area Services (F-6)	T157	General Improvements (B, C-7)
T159	Art Annex No. 1 (C-7)	T173	Geography Annex 1 (M-7)
T182	Art Annex No. 2 (B-7)	T171	Geography Annex 2 (M-7)
T116	Asian Studies (M-8)	T105	Geography; Climatology Laboratory (J-5)
T35	Auditor (H-6)	T107	Geology (K-5)
28	Bailey Hall (J-4)	T119	Geology (K-6)
39	Baldwin Hall (K-4)	T137	Government, Department of (H-10)
R1	Baptist Foundation (H-7)	T77	Graduate School, Dean of (H-10)
R2	Baptist Foundation (J-7)	19	Greenhouses (I-6)
79	Beach House (J-2)	101-116	Group Housing (L, M, N-3, 4)
T94	Botany and Zoology (J-6)	T74	Guidance, Department of (J-7)
T176	Botany Research (L-8)	7	Gymnasium (F-7)
31	Bowyer Hall (J-3)	T85	Health Education and Safety (D-8)
33	Brown Hall (K-3)	T138	Health Education, Department of (L-8)
T34	Bursar (H-6)	T44	Health Service (D-6, 7)
T33	Business Manager (H-6)	T98	Health Service (D-7)
T32	Business, School of (G-6)	T144	Higher Education, Department of (H-10)
T145	Business, School of (Dean) (I-9)	42	Home Economics Building Group (F, G-8)
T106	Cartographic Office (J-5)	T18	Housing Office (G-6)
T167	Center for Study of Crime, Delinquency, and Corrections (K-9)	T57	Illinois Avenue Residence Hall (F-9)
T66	Central Clinical Services (J-6)	T27	Industrial Education, Classroom (H-4)
T39	Central Mailing (H-6)	T26	Industrial Education Offices, Classrooms, and Drafting Room (H-4)
T86	Central Publications (D-8)	T25	Industrial Education Shops (G-5)
T99	Central Research Shop (L-7)	21	Industrial Education Wing, University School (I-8)
80	Chlorination Pump House (J-2)	T73	Industrial Psychology Annex 4 (L-7)
R3	Christian Foundation (E, F-8)	5	Information Service (F-6)
T85	Civil Defense (D-8)	T169	Instructional Materials Classroom (L-7)
T105	Climatology Laboratory (J-5)	T163	Janitorial Services (K-7)
5	Community Development Institute (F-6)	T48	Journalism, Egyptian (H-4)
5	Community Development Services (F-6)	T185	Journalism Annex (K-7)
T101	Cooperative Wildlife Research (J-7)	35	Kellogg Hall (K-4)
T100	Coordinator of Research (L-8)	T124	Labor Institute (L-7)
T39	Data Processing and Computing Center (H-6)	T92	Latin American Institute (D-7)
101	Delta Chi (M-4)	56	Laundry (E-4)
103	Delta Zeta (M-4)	27	Lentz Hall (J-4)
T125	Design (J-5)	17	Life Science Building (I-6)
T126	Design (J, K-6)	13	McAndrew Stadium (F-5)
T128	Design (J-6)	T29	Machine Shop, Farm Quonset (H-4)
T129	Design (K-6)	T146	Management (K-9)
T149	Design Shop A (K-6)	T109	Marketing (J-7)
T150	Design Shop B (J-6)	T110	Mathematics (J-9)
T151	Design Shop C (J-6)	T111	Mathematics (J-9)
T152	Design Shop D (K-6)	H32	Men's Physical Education Research (J-6)
T155	Dewey Editorship (M-8)	T2-T9	Men's Residence Halls (C, D-6)
T162	Economics Annex (L-6)	R4	Methodist Foundation (F-9)
T31	Economics, Department of (G-6)	T106	Mississippi Valley Investigation (J-5)
T42	Education Administration (H-5, 6)	25	Morris Library (I-6)



Carbondale Campus



ALPHABETICAL LIST OF BUILDINGS (Continued)

- R6 Newman Foundation (D, E-8)
 R7 Newman Foundation (Proposed) (D, E-9)
 T95 Nursery and Psychology (K-5)
 1 Old Main (F-7)
 4 Parkinson Laboratory (G-6)
 T13 Personnel Office (F-6)
 T113 Phi Sigma Kappa (M, N-4)
 T132 Photographic Service (D-7)
 T27 Photography Classroom (H-4)
 41 Physical Education and Military Training Building (Proposed) (G-3)
 T76 Physical Education (H-10)
 T58 Physical Education Quonset (E-7)
 22 Physical Education Wing, University School (I-9)
 29 Pierce Hall (J-3)
 T162 Pine Hills Station
 5 Placement Service (F-6)
 T120 Plan "A" House (G-4)
 12 Power Plant (E-5)
 T45 President's Office (H-7)
 T142 Psychology (L-6)
 T68 Psychology, Department of, Annex 1 (K-6)
 T70 Psychology, Department of, Annex 2 (K-6)
 T71 Psychology, Department of, Annex 3 (L-6)
 T69 Psychology, Main Office (K-6)
 T60 Psychology Perception Laboratory (K-7)
 10 Pump House (F-6)
 30 Pump House No. 2 (J-3)
 T33 Purchasing and Accounting (H-6)
 T37 Radio Studio (G-6)
 T108 Reading Center (J-7)
 T1 Recreation and Apartment (D-6)
 T84 Recreation and Outdoor Education, Department of (D-8)
 T35 Registrar (H-6)
 T62 Rehabilitation Counselor Training (K-7)
 T103 Rehabilitation Institute (K-7)
 T93 Rehabilitation Institute Administrative Offices (K-7)
 T90 Rehabilitation Perception Research (L-7)
 35-39 Residence Halls (J, K-4)
 T108 Secondary Education (J-7)
 T32 Secretary of Faculty (G-6)
 T65 Sectioning Center (H-5)
 T18 Security Officer (G-6)
 14 Service Building No. 1 (F-4)
 15 Service Building No. 2 (F-4)
 78 Shelter and Boat Dock (H, I-3)
 6 Shryock Auditorium (G-7)
 102 Sigma Kappa (M-4)
 105 Sigma Pi (L-3)
 107 Sigma Sigma Sigma (M-4)
 T80 Small Business Institute (L-9)
 37 Smith Hall (K-4)
 T79 Sociology (J-9)
 T104 Sociology (J-9)
 T121 Sociology (I-9)
 T36 Southern Playhouse (H-6)
 T75 Special Education, Department of (J-7)
 T38 Speech, Department of and Classrooms (H-6)
 T61 Speech and Hearing Clinic (K-7)
 T156 Speech Correction, Department of (K-8)
 S1 State of Illinois Public Health Laboratory (M-6)
 32 Steagall Hall (J-3)
 11 Steel Bleachers (F-5)
 T39 Stenographic Service (H-6)
 9 Storage (G-7)
 T10 Storage Building (D-6)
 T19 Student Affairs Office (G-6)
 T15 Student Employment (F-6)
 106 Tau Kappa Epsilon (M-3)
 T78 Technical and Adult Education, Division of (H, I-10)
 T191 Technology, School of (Dean) (L-7)
 84 Tennis Courts (F-3)
 T18 Testing Center (G-6)
 114 Theta Xi (M-4)
 205 Trailer Court Service Building (B-6)
 T113 Transportation Institute (D-8)
 T192 Typography Laboratory (K-7)
 T158 University Architect Construction Division (L-6)
 45 University Center (G-6)
 H1-H76 University Housing (F-9, F-10, G-5, G-9, J-5, J-6, K-5, K-6)
 T117 University Press (K-7)
 23 University School (I-9)
 83 Vice President, Office of (H-7)
 T161 Virology Research Laboratory (M-6)
 36 Warren Hall (K-4)
 8 Wheeler Hall (F-8)
 T67 Wildlife Research Laboratory (J-6)
 24 Woody Hall (G-8)
 T175 Women's Physical Education Annex (C-7)
 T72 Zoology (L-6)

NUMERICAL LIST OF BUILDINGS

- 1 Old Main (F-7)
 2 Altgeld Hall (G-7)
 3 Allyn Building (G-6)
 4 Parkinson Laboratory (G-6)
 5 Anthony Hall, Area Services; Community Development Institute; Community Development Services; Extension Service; Information Service; Placement Service
 6 Shryock Auditorium (G-7)
 7 Gymnasium (F-7)
 8 Wheeler Hall (F-8)
 9 Storage (G-7)
 10 Pump House (F-6)
 11 Steel Bleachers (F-5)
 12 Power Plant (E-5)
 13 McAndrew Stadium (F-5)
 14 Service Building No. 1 (F-4)
 15 Service Building No. 2 (F-4)
 17 Life Science Building (I-6)
 18 Animal Building (I-6)
 19 Greenhouses (I-6)
 20 Electric Sub-Station No. 9 (I-6)
 21 Industrial Education Wing, University School (I-8)
 22 Physical Education Wing, University School (I-9)
 23 University School (I-9)
 24 Woody Hall (G-8)
 25 Morris Library (I-6)
 26 Agriculture Building (I-5)
 27 Lentz Hall (J-4)
 28 Bailey Hall (J-4)
 29 Pierce Hall (J-3)
 30 Pump House No. 2 (J-3)
 31 Bowyer Hall (J-3)
 32 Steagall Hall (J-3)
 33 Brown Hall (K-3)
 34 Felts Hall (K-4)
 35 Kellogg Hall (K-4)
 36 Warren Hall (K-4)
 37 Smith Hall (K-4)
 38 Abbott Hall (K-4)
 39 Baldwin Hall (K-4)
 41 Physical Education and Military Training Building (Proposed) (G-3)
 42 Home Economics Building Group, Department of Anthropology (F, G-8)
 44 College of Education (Proposed) (J-8)
 45 University Center (G-6)
 56 Laundry (E-4)
 57 Applied Science Laboratory (E-4)
 78 Shelter and Boat Dock (H, I-3)
 79 Beach House (J-2)
 80 Chlorination Pump House (J-2)
 83 Office of the Vice President (H-7)
 84 Tennis Courts (F-3)
 101 Delta Chi (M-4)
 102 Sigma Kappa (M-4)
 103 Delta Zeta (M-4)
 104 Alpha Gamma Delta (L-4)
 105 Sigma Pi (L-3)
 106 Tau Kappa Epsilon (M-3)
 107 Sigma Sigma Sigma (M-4)
 108-112 Group Housing (M-3, 4)
 113 Phi Sigma Kappa (M, N-4)
 114 Theta Xi (M-4)
 115-116 Group Housing (N-4)
 117-137 Family Housing (B, C, D-1, 2, 3)
 205 Trailer Court Service Building (B-6)

NUMERICAL LIST OF BUILDINGS (Continued)

H

- H1-H76 University Housing (F-9, 10; G-5, 9; J, K-5, 6)
H32 Men's Physical Education Research (J-6)

R

- R1 Baptist Foundation (H-7)
R2 Baptist Foundation (J-7)
R3 Christian Foundation (E, F-8)
R4 Methodist Foundation (F-9)
R5 Episcopal Foundation (I-10)
R6 Newman Foundation (D, E-8)
R7 Newman Foundation (Proposed) (D, E-9)

S

- S1 State of Illinois Public Health Laboratory (M-6)

T

- T1 Recreation and Apartment (D-6)
T2-T9 Men's Residence Halls (C, D-6)
T10 Storage Building (D-6)
T13 Personnel Office (F-6)
T14 Alumni Service (F-6)
T15 Student Employment (F-6)
T18 Housing Office; Security Officer; Testing Center (G-6)
T19 Student Affairs Office (G-6)
T25 Industrial Education Shops (G-5)
T26 Industrial Education Offices, Classrooms, and Drafting Room (H-4)
T27 Industrial Education Classroom; Photography Classroom (H-4)
T29 Farm Quonset Machine Shop (H-4)
T31 Department of Economics (G-6)
T32 Department of Accounting; School of Business; Secretary of Faculty (G-6)
T33 Accounting; Business Manager; Purchasing (H-6)
T34 Bursar (H-6)
T35 Auditor; Registrar (H-6)
T36 Southern Playhouse (H-6)
T37 Radio Studio (G-6)
T38 Department of Speech, and Classrooms (H-6)
T39 Central Mailing; Data Processing and Computing Center; Stenographic Service (H-6)
T40 Education Classrooms (H-5)
T41 Education Classrooms (H-6)
T42 Education Administration (H-5, 6)
T44 Health Service (D-6, 7)
T45 President's Office (H-7)
T48 Egyptian; Journalism (H-4)
T57 Illinois Avenue Residence Hall (F-9)
T58 Physical Education Quonset (E-7)
T60 Psychology Perception Laboratory (K-7)
T61 Speech and Hearing Clinic (K-7)
T62 Rehabilitation Counselor Training (K-7)
T63 AFROTC Supply (F-7)
T65 Advisement Center; Sectioning Center (H-5)
T66 Central Clinical Services (J-6)
T67 Wildlife Research Laboratory (J-6)
T68 Department of Psychology, Annex 1 (K-6)
T69 Department of Psychology, Main Office (K-6)
T70 Department of Psychology, Annex 2 (K-6)
T71 Department of Psychology, Annex 3 (L-6)
T72 Zoology (L-6)
T73 Industrial Psychology, Annex 4 (L-7)
T74 Department of Guidance (J-7)
T75 Department of Special Education (J-7)
T76 Physical Education (H-10)
T77 Dean of Graduate School (H-10)

- T78 Division of Technical and Adult Education (H, I-10)
T79 Sociology (J-9)
T80 Small Business Institute (L-9)
T84 Department of Recreation and Outdoor Education (D-8)
T85 Civil Defense; Health Education and Safety (D-8)
T86 Central Publications (D-8)
T87 Area Psychological Service (C-8)
T90 Rehabilitation Perception Research (L-7)
T91 Department of English (J-9)
T92 Latin American Institute (D-7)
T93 Rehabilitation Institute Administrative Offices (K-7)
T94 Botany and Zoology (J-6)
T95 Nursery and Psychology (K-5)
T96 American Board Examiners, Psychology (L-7)
T98 Health Service (D-7)
T99 Central Research Shop (L-7)
T100 Co-ordinator of Research (L-8)
T101 Co-operative Wildlife Research (J-7)
T102 Department of English (G-9)
T103 Rehabilitation Institute (K-7)
T104 Sociology (J-9)
T105 Geography; Climatology Laboratory (J-5)
T106 Cartographic Office; Mississippi Valley Investigation (J-5)
T107 Geology (K-5)
T108 Reading Center; Secondary Education (J-7)
T109 Marketing (J-7)
T110-T111 Mathematics (J-9)
T113 Transportation Institute (D-8)
T115 Film Production Units (L-7)
T116 Asian Studies (M-8)
T117 University Press (K-7)
T119 Geology (K-6)
T120 Plan "A" House (G-4)
T121 Sociology (I-9)
T124 Labor Institute (L-7)
T125 Design (J-5)
T126 Design (J, K-6)
T128-T129 Design (J, K-6)
T130 College of Education (J, K-7)
T132 Photographic Service (D-7)
T135 Faculty Club (G-4)
T136 Department of English (G-9)
T137 Department of Government (H-10)
T138 Department of Health Education (L-8)
T141 Educational Television Research (K-7)
T142 Psychology (L-6)
T144 Department of Higher Education (H-10)
T145 School of Business (Dean) (I-9)
T146 Management (K-9)
T149 Design Shop A (K-6)
T150 Design Shop B (J-6)
T151 Design Shop C (J-6)
T152 Design Shop D (K-6)
T155 Dewey Editorship (M-8)
T156 Department of Speech Correction (K-8)
T157 General Improvements (B, C-7)
T158 University Architect Construction Division (L-6)
T159 Art Annex No. 1 (C-7)
T161 Virology Research Laboratory (M-6)
T162 Pine Hills Station; Economics Annex (L-6)
T163 Janitorial Services (K-7)
T167 Center for Study of Crime, Delinquency, and Corrections (K-9)
T169 Instructional Materials Classroom (L-7)
T171 Geography Annex 2 (M-7)
T173 Geography Annex 1 (M-7)
T175 Women's Physical Education Annex (C-7)
T176 Botany Research (L-8)
T182 Art Annex No. 2 (B-7)
T185 Journalism Annex (K-7)
T191 School of Technology (Dean) (L-7)
T192 Typography Laboratory (K-7)
T196 Department of English (I-9)

5 / Schedule of Classes

THE FOLLOWING material may be of value in interpreting the information appearing in the class schedule.

LISTING OF COURSES

Courses are listed in three groups: General Studies courses, departmental courses, and Vocational-Technical Institute courses. Within each group, subject areas or departments are listed alphabetically. Within each area, courses are arranged in numerical order.

COURSE NUMBERS AND HOURS

The column containing this information shows the number of the course first, followed by the number of hours of credit. Course numbers are three digit numbers. In some cases the three digits may be followed by a letter which is also part of the course number. The number appearing after the hyphen denotes the hours of credit for the course. In some cases there may be more than one number following the course number such as 599-2 to 5. This represents a variable-hour course in which the student decides the number of hours for which he is going to register in consultation with his adviser.

The course numbering system is as follows:

- 000-099 Course not properly falling in the following categories
- 100-199 For freshmen
- 200-299 For sophomores
- 300-399 For juniors and seniors
- 400-499 For seniors and graduate students
- 500-600 For graduate students only

PREREQUISITE

The prerequisite column lists requirements which must be satisfied before a student registers for the course. These prerequisites may be listed in various ways. Usually they are other courses in the same department, indicated by a course number. A prerequisite in another department is indicated by the department's code letters and the course number.

The listing of prerequisites provides ready information for students. An effort has been made to have the listing be complete, but this is not guaranteed. For the official listing of course descriptions and prerequisites, consult the bulletin of the academic unit within which the department is located.

SECTION NUMBER, TIME, AND DAYS

The times given indicate the beginning and ending of each class period. Central Daylight Time is used throughout the summer. Students registering for courses listed as "to be arranged" may obtain times and days from the instructors indicated or, if no instructor is listed, from the department chairmen offering the courses.

The letter *T* preceding a section number indicates that the section has been tentatively scheduled and will be opened for registration only if staff is available.

Those courses being offered on the 8-week basis (June 15–August 7) are marked with a † immediately following the section number.

BUILDING AND ROOM NUMBER

Buildings which house summer classrooms are listed below, in alphabetical order according to the code used in the Schedule of Classes. The building's name or description follows the colon. The numbers locate the building on the map of the Carbondale Campus which appears in Chapter Four. (The list below does not include buildings which are identified in the schedule by a letter followed by a number. Such buildings are listed in numerical order in Chapter Four.)

If a building contains more than one classroom, then the number of the room follows the building's code name. A building code which contains a number is separated from the room number by the letter *R*. (For example, "T32 R111" means room 111 in building T32.)

CODE: BUILDING NAME—NUMBER MAP KEY			CODE: BUILDING NAME—NUMBER MAP KEY		
A:	Allyn Building—3	G-6	LS:	Life Science Building—17	K-4
Ag:	Agriculture Building—26	I-4	M:	Old Main—1	G-7
Alg:	Altgeld Hall—2	I-7	P:	Parkinson Laboratory—4	G-6
ApS:	Applied Science Laboratory—57	B-7	Pool:	University Swimming Pool—22	M-6
Aud:	Shryock Auditorium—6	H-6	Quon:	Quonset Hut—T58	F-8
Bowling Alley: in University Center—45		G-6	RadS:	Radio Studios—T 37	H-6
Browne:	Browne Auditorium—9	H-6	TVS:	Television Studios—42	F-8
Gym:	Gymnasium—7	F-7	Tennis:	Tennis Courts	
HEc:	Home Economics Building—42	F-8	Stadium:	McAndrew Stadium—13	E-6
Lib:	Morris Library—25	J-5	USch:	University School—23	M-7
LG:	Little Grassy Lake	--	Wh:	Wheeler Hall—8	H-7
			Wham:	Wham Education Building—44	J-8

DEPARTMENTAL LISTING BY ACADEMIC UNIT

ACADEMIC UNIT	DEPARTMENT	ACADEMIC UNIT	DEPARTMENT
Air Science	Air Science	Home	Clothing & Textiles
		Economics	Food & Nutrition
Agriculture	Agricultural Industries		Home & Family
	Animal Industries		Home Economics
	Forestry		Education
	Plant Industries		
Business	Accounting	Liberal Arts	Anthropology
	Economics	& Sciences	Botany
	Management		Chemistry
	Marketing		English
	Secretarial & Business Education		Foreign Languages
			Geography
Communications	Journalism		Geology
	Printing & Photography		Government
	Radio-Television		History
	Speech		Mathematics
	Speech Correction		Microbiology
	Theater		Philosophy
			Physics and Astronomy
Education	Educational Administration & Supervision		Physiology
	Elementary Education		Psychology
	Guidance		Religion
	Health Education		Sociology
	Higher Education		Zoology
	Instructional Materials	Nursing	Nursing
	Physical Educ. for Men		
	Physical Educ. for Women	Technology	Applied Science
	Recreation & Outdoor Educ.		Engineering
	Secondary Education		Engineering Technology
	Special Education		Industrial Education
			Industrial Technology
Fine Arts	Art		Technology
	Music		

EXPLANATION OF ENTRIES

The entry for each course is arranged as follows:

First Line: The courses's identification number is followed by the number of quarter hours of credit and the descriptive title. A dotted line separates the title from the prerequisite, which appears at the right-hand end of the first line and sometimes continues to the second line. *Section-Number Lines:* The first column lists the section numbers for summer classes. Following each section number are the time the class begins and the time it ends. The days on which the class meets, the place where it meets, and the instructor's last name complete the entry.

Course No. & Hours — Descriptive Title Days . . . Bldg & Room . . . Prerequisite Instructor
Summer Time

GENERAL STUDIES AREA A—MAN’S PHYSICAL ENVIRONMENT
and BIOLOGICAL INHERITANCE (GSA)

101a-3	Introduction to Physical Science						
1	8:00–8:50	M	W	F	Browne	staff	
T2	1:00–1:50	M	WTh		Browne	staff	
101b-3	Introduction to Physical Science						101a
1	9:00–9:50	M	W	F	Browne	Mr Brown	
CHEM 101b-1	Optional Laboratory for GSA 101b						101b
1	8:00–10:50	Tu			P 206	staff	
T2	1:00–3:50	W			P 206	staff	
101c-3	Introduction to Physical Science						101b
1	10:00–10:50	M	W	F	Browne	Mr Brown	
CHEM 101c-1	Optional Laboratory for GSA 101c						101c
1	8:00–10:50			Th	P 206	staff	
T2	1:00–3:50			Tu	P 206	staff	
200-3	Earth Science						
1	9:00–9:50	M	W	F	Ag 166	Mr Bell	
201a-3	Man's Biological Inheritance						101c
1	8:00–8:50	M	W		LS 133	Mr Summerfelt	
	8:00–9:50		Tu		H26 a	staff	
2	8:00–8:50	M	W		LS 133	Mr Summerfelt	
	1:00–2:50		Tu		H26 a	staff	
3	8:00–8:50	M	W		LS 133	Mr Summerfelt	
	3:00–4:50		Tu		H26 a	staff	
4	8:00–8:50	M	W		LS 133	Mr Summerfelt	
	1:00–2:50		W		H26 a	staff	
5	8:00–8:50	M	W		LS 133	Mr Summerfelt	
	3:00–4:50		W		H26 a	staff	
6	8:00–8:50	M	W		LS 133	Mr Summerfelt	
	8:00–9:50			F	H26 a	staff	
201b-3							201a
1	8:00–8:50	Tu	Th		LS 133	Mr Englert	
	2:00–3:50		Th		H26 c	staff	
2	8:00–8:50	Tu	Th		LS 133	Mr Englert	
	8:00–9:50			F	H26 c	staff	
3	8:00–8:50	Tu	Th		LS 133	Mr Englert	
	1:00–2:50			F	H26 c	staff	
201c-3							201b
1	1:00–1:50	Tu	Th		LS 205	Mr Hendrickx	
	10:00–11:50		Tu		H26 c	Mr Hendrickx	
2	1:00–1:50	Tu	Th		LS 205	Mr Hendrickx	
	1:00–2:50		W		H26 c	Mr Hendrickx	

Course No. & Hours	Descriptive Title Summer	Title Time	Days	Bldg & Room	Prerequisite Instructor
312-3	Conservation of Natural Resources	One year of biology			
1	9:00-9:50	M W F	LS 205	Mr Summerfelt	
345-3	Economic Botany	201c			
1	10:00-10:50	M W F	LS 133	Mr Welch	

GENERAL STUDIES AREA B—MAN'S SOCIAL INHERITANCE and SOCIAL RESPONSIBILITIES (GSB)

101a-3	Survey of Western Tradition (Geography)	101b			
1	10:00-10:50	M W F	Wham 105	staff	
101b-3	Survey of Western Tradition (History)				
1	8:00-8:50	M W	Wham 105	Mr Shelby	
	8:00-8:50	Th	M 209	staff	
2	8:00-8:50	M W	Wham 105	Mr Shelby	
	8:00-8:50	Th	M 206	staff	
3	8:00-8:50	M W	Wham 105	Mr Shelby	
	8:00-8:50	Tu	M 206	staff	
4	8:00-8:50	M W	Wham 105	Mr Shelby	
	8:00-8:50	Tu	M 209	staff	
5	8:00-8:50	M W	Wham 105	Mr Shelby	
	9:00-9:50	Th	M 206	staff	
T6	8:00-8:50	M W	Wham 105	Mr Shelby	
	9:00-9:50	Th	M 209	staff	
T7	8:00-8:50	M W	Wham 105	Mr Shelby	
	10:00-10:50	Th	M 207	staff	
8	9:00-9:50	Tu Th	Browne	Mr Shelby	
	9:00-9:50	M	M 206	staff	
9	9:00-9:50	Tu Th	Browne	Mr Shelby	
	9:00-9:50	F	M 206	staff	
10	9:00-9:50	Tu Th	Browne	Mr Shelby	
	9:00-9:50	M	M 207	staff	
11	9:00-9:50	Tu Th	Browne	Mr Shelby	
	9:00-9:50	F	M 207	staff	
12	9:00-9:50	Tu Th	Browne	Mr Shelby	
	9:00-9:50	W	M 206	staff	
T13	9:00-9:50	Tu Th	Browne	Mr Shelby	
	10:00-10:50	F	M 206	staff	
T14	9:00-9:50	Tu Th	Browne	Mr Shelby	
	9:00-9:50	W	M 207	staff	
101c-3	Survey of Western Tradition (History)	101b			
1	12:00-12:50	Tu Th	Browne	Mr O'Day	
	12:00-12:50	M	M 209	staff	
2	12:00-12:50	Tu Th	Browne	Mr O'Day	
	12:00-12:50	M	M 206	staff	
3	12:00-12:50	Tu Th	Browne	Mr O'Day	
	12:00-12:50	W	M 206	staff	
T4	12:00-12:50	Tu Th	Browne	Mr O'Day	
	12:00-12:50	W	M 209	staff	
201a-3	Culture, Society and Behavior (Anthropology)	101a, 101b, 101c			
1	9:00-9:50	MTuW	HEc 301	staff	
2	10:00-10:50	MTuW	HEc 301	staff	
201b-3	Culture, Society and Behavior (Sociology)	201c			
1	8:00-8:50	M W F	HEc 301	staff	
2	9:00-9:50	M W F	HEc 303	staff	
3	10:00-10:50	M W F	HEc 106	staff	
4	11:00-11:50	TuW F	HEc 301	staff	
5	12:00-12:50	TuWTh	HEc 301	staff	
6	1:00-1:50	TuWTh	HEc 301	staff	

Course No. & Hours	Descriptive Title Summer	Time	Days	Bldg & Room	Prerequisite Instructor
T7	2:00-2:50	MTuW		Wham 201	staff
T8	3:00-3:50	TuWTh		Wham 201	staff
T9	4:00-4:50	TuWTh		Wham 203	staff
201c-3	Culture, Society and Behavior (Psychology)				201a
1	11:00-11:50	M W		Browne	Mr Carrier
	8:00-8:50	Th		Ag 168	staff
2	11:00-11:50	M W		Browne	Mr Carrier
	8:00-8:50	F		Ag 168	staff
3	11:00-11:50	M W		Browne	Mr Carrier
	9:00-9:50	Th		Ag 116	staff
4	11:00-11:50	M W		Browne	Mr Carrier
	9:00-9:50	F		Ag 224	staff
5	11:00-11:50	M W		Browne	Mr Carrier
	10:00-10:50	Th		Ag 116	staff
6	11:00-11:50	M W		Browne	Mr Carrier
	11:00-11:50	Th		Ag 116	staff
7	11:00-11:50	M W		Browne	Mr Carrier
	1:00-1:50	F		Wham 210	staff
8	11:00-11:50	M W		Browne	Mr Carrier
	2:00-2:50	Th		Wham 201	staff
T9	11:00-11:50	M W		Browne	Mr Carrier
	2:00-2:50	F		Wham 206	staff
T10	11:00-11:50	M W		Browne	Mr Carrier
	3:00-3:50	Th		Wham 206	staff
211a-3	Political Economy				
1	10:00-10:50	M W F		Wham 308	Mr Stalon
211b-3					
1	8:00-8:50	M W F		M 203B	staff
2	10:00-10:50	M W F		M 203B	staff
3	12:00-12:50	TuW F		M 201	staff
4	1:00-1:50	M W F		Gym 204	staff
211c-3					
1	11:00-11:50	M W F		Gym 203	staff
303-3	International Relations				
1	10:00-10:50	M W F		M 201	Mr Abbass
311-3	Economic Development of the U.S.				101a or 211c
1	2:00-2:50	MTu Th		Wham 110	Mr Ellis
312-3	Comparative Economic Systems				211c
1	1:00-1:50	M WTh		Wham 110	Mr Wells
321-3	Socialization of The Individual				201b
1	10:00-10:50	Tu		HEc 118	Mr Schmitt
	10:00-10:50	W		HEc 102	Mr Schmitt
	10:00-10:50	Th		HEc 301	Mr Schmitt
331-3	The American Educational Systems				
1	8:00-8:50	M W F		Wham 205	staff
2	9:00-9:50	M W F		Wham 205	staff
3	10:00-10:50	M W F		Wham 205	staff
T4	11:00-11:50	M W F		Wham 205	staff
T5	1:00-1:50	M W F		Wham 205	staff
T6	2:00-2:50	M W F		Wham 205	staff
341-3	Marriage				201b
1	8:00-8:50	Tu Th		Wham 317	Miss Snyder
	8:00-8:50	W		Wham 202	Miss Snyder
385-3	Contemporary Political Isms				211b and 211c, or consent of department
1	9:00-9:50	M W F		M 203B	Mr Kamarasy

Course No. & Hours — Descriptive Title Days . . . Bldg & Room . . . Prerequisite Instructor
 Summer Time

GENERAL STUDIES AREA C—MAN'S INSIGHTS and APPRECIATIONS (GSC)

100-3 Music Understanding						
1	1:00-1:50	M	W	F	Alg 115	Mr Canedy
2	2:00-2:50	Tu	Th	F	Alg 115	Mr Canedy
101-3 Art Appreciation						
1	2:00-2:50	Tu	Th		Browne	Mr Shryock
	2:00-3:50	M			A 106	staff
2	2:00-2:50	Tu	Th		Browne	Mr Shryock
	2:00-3:50		W		A 106	staff
3	2:00-2:50	Tu	Th		Browne	Mr Shryock
	2:00-3:50			F	A 106	staff
4	2:00-2:50	Tu	Th		Browne	Mr Shryock
	3:00-4:50	M			A 112	staff
5	2:00-2:50	Tu	Th		Browne	Mr Shryock
	3:00-4:50		W		A 112	staff
6	2:00-2:50	Tu	Th		Browne	Mr Shryock
	3:00-4:50			F	A 112	staff
7	2:00-2:50	Tu	Th		Browne	Mr Shryock
	2:00-3:50	M			A 115	staff
8	2:00-2:50	Tu	Th		Browne	Mr Shryock
	3:00-4:50		W		A 115	staff
9	2:00-2:50	Tu	Th		Browne	Mr Shryock
	2:00-3:50			F	A 115	staff
10	2:00-2:50	Tu	Th		Browne	Mr Shryock
	3:00-4:50	M			A 115	staff
102-3 Problems of Moral Decision						
1	10:00-10:50	Tu	Th		Browne	staff
	11:00-11:50		Th		HEc 301	staff
2	10:00-10:50	Tu	Th		Browne	staff
	1:00-1:50		Th		HEc 208	staff
3	10:00-10:50	Tu	Th		Browne	staff
	8:00-8:50			F	HEc 106	staff
4	10:00-10:50	Tu	Th		Browne	staff
	9:00-9:50			F	HEc 208	staff
5	10:00-10:50	Tu	Th		Browne	staff
	10:00-10:50			F	HEc 301	staff
6	10:00-10:50	Tu	Th		Browne	staff
	11:00-11:50			F	HEc 203	staff
7	10:00-10:50	Tu	Th		Browne	staff
	2:00-2:50		Th		HEc 104	staff
8	10:00-10:50	Tu	Th		Browne	staff
	3:00-3:50		Th		HEc 118	staff
103-3 Masterpieces of Literature						
1	2:00-2:50	M	W		Browne	Mr Cassidy
	2:00-2:50		Tu		Wham 205	staff
2	2:00-2:50	M	W		Browne	Mr Cassidy
	2:00-2:50			Th	Wham 205	staff
3	2:00-2:50	M	W		Browne	Mr Cassidy
	2:00-2:50			F	Wham 210	staff
4	2:00-2:50	M	W		Browne	Mr Cassidy
	2:00-2:50		Tu		HEc 102	staff
5	2:00-2:50	M	W		Browne	Mr Cassidy
	2:00-2:50			Th	HEc 102	staff
6	2:00-2:50	M	W		Browne	Mr Cassidy
	2:00-2:50			F	HEc 202	staff

Course No. & Hours	Descriptive Summer	Title Time	Days	Bldg & Room	Prerequisite Instructor
201-3	Introduction to Drama				GSC 103
	1	11:00-11:50	M	HEc 301	staff
		11:00-11:50	Tu Th	M 201	staff
	2	1:00-1:50	MTu Th	Gym 203	staff
	3	3:00-3:50	M W F	HEc 106	staff
202-3	Introduction to Poetry				GSC 103
	1	9:00-9:50	MTu Th	HEc 104	staff
	2	12:00-12:50	M W F	HEc 104	staff
	3	2:00-2:50	M W F	HEc 102	staff
204-3	Meaning of The Visual Arts				
	1	11:00-11:50	M W F	A 102	Mr Fink
	2	12:00-1:50	M W F	A 102	Mrs Hall
206-3	Foundations of Music				
	1	1:00-1:50	Tu ThF	Alg 116	Mr Bottje
	2	2:00-2:50	M W F	Alg 116	Mr McIntosh
207-3	Philosophy of the Beautiful				
	1	9:00-9:50	M W	Wham 308	Mr McClure
		10:00-10:50	W	HEc 104	staff
	2	9:00-9:50	M W	Wham 308	Mr McClure
		11:00-11:50	W	HEc 102	staff
	3	9:00-9:50	M W	Wham 308	Mr McClure
		9:00-9:50	Th	HEc 301	staff
	4	9:00-9:50	M W	Wham 308	Mr McClure
		10:00-10:50	Th	HEc 202	staff
208-3	Logic and Meaning				
	1	8:00-8:50	Tu Th	Wham 308	Mr Moore
		9:00-9:50	Th	HEc 118	staff
	2	8:00-8:50	Tu Th	Wham 308	Mr Moore
		10:00-10:50	Th	HEc 106	staff
	3	8:00-8:50	Tu Th	Wham 308	Mr Moore
		10:00-10:50	F	HEc 104	staff
	4	8:00-8:50	Tu Th	Wham 308	Mr Moore
		11:00-11:50	F	HEc 303	staff
209-3	Modern Literature: Form and Idea				GSC 103
	1	8:00-8:50	M W F	Wham 307	staff
	2	10:00-10:50	M W F	HEc 306	staff
	3	11:00-11:50	M W F	Wham 307	staff
	4	1:00-1:50	MTu Th	HEc 202	staff
	5	4:00-4:50	M W F	HEc 118	staff
	6	7:00-8:25	M W	HEc 106	staff
210-3	Introduction to Fiction				GSC 103
	1	10:00-10:50	MTu Th	HEc 104	staff
	2	12:00-12:50	M F	HEc 301	staff
		12:00-12:50	W	HEc 102	staff
	3	2:00-2:50	MTu Th	HEc 202	staff
	4	3:00-3:50	M W F	HEc 202	staff
318-3¹	Modern British Literature				
	1	To be arranged	Oxford Univ., England		Mr. Benziger
320-3¹	Modern Britain				
	1	To be arranged	Oxford Univ., England		staff

¹ Restricted to students who have been previously accepted for the Oxford Study Program.

Course No. & Hours — Descriptive Title Days . . . Bldg & Room . . . Prerequisite
Summer Time Instructor

GENERAL STUDIES AREA D—ORGANIZATION and
COMMUNICATION OF IDEAS (GSD)

ENG 100-0	English Composition: Grammar and Usage						
	1	10:00-10:50	Tu			HEc 106	staff
		10:00-10:50		F		Wham 208	staff
		10:00-10:50		Th		Wham 302	staff
	2	1:00-1:50	MTu	Th		HEc 203	staff
101a-3	English Composition				Eng 100	or satisfactory score on ACT	
	1	8:00-8:50	M	W	F	HEc 122	staff
	2	9:00-9:50	M			Wham 302	staff
		9:00-9:50		W		Wham 303	staff
		9:00-9:50			F	Wham 327	staff
	3	10:00-10:50	M	W	F	HEc 120	staff
	4	11:00-11:50	M	W	F	Wham 305	staff
	5	2:00-2:50	MTu	Th		Wham 307	staff
	6	4:00-4:50	M	W	F	Wham 321	staff
	7	6:00-7:25 P.M.	M	W		Wham 321	staff
101b-3							101a
	1	9:00-9:50	M			HEc 106	staff
		9:00-9:50		W	F	HEc 104	staff
	2	10:00-10:50		W		M 102A	staff
		10:00-10:50		Tu	F	Wham 307	staff
	3	12:00-12:50	M	W	F	Wham 305	staff
	4	3:00-3:50	M	W	F	HEc 104	staff
	5	4:00-4:50	M	W	F	HEc 104	staff
103-3	Oral Communication of Ideas						
	T1	8:00-8:50	Tu	ThF		T38 R103	staff
		12:00-12:50	M			HEc 106	staff
	2	9:00-9:50	MTu	Th		T38 R103	staff
		12:00-12:50	M			HEc 106	staff
	3	10:00-10:50	Tu	ThF		T38 R102	staff
		12:00-12:50	M			M 102	staff
	4	11:00-11:50	MTu	Th		T38 R103	staff
		12:00-12:50	M			M 102A	staff
	5	12:00-12:50	Tu	ThF		T38 R102	staff
		12:00-12:50	M			M 201	staff
	6	12:00-12:50	Tu	ThF		T38 R103	staff
		12:00-12:50	M			M 201	staff
	7	1:00-1:50	M	W		Wham 206	staff
		1:00-1:50			F	Wham 303	staff
		12:00-12:50	M			M 102	staff
	8	1:00-1:50	M			Wham 321	staff
		1:00-1:50		Tu	Th	Wham 303	staff
		12:00-12:50	M			M 102A	staff
	9	2:00-2:50	Tu	ThF		Wham 303	staff
		12:00-12:50	M			HEc 118	staff
	T10	2:00-2:50	M	W	F	Wham 305	staff
		12:00-12:50	M			HEc 118	staff
MATH 106-0	Intermediate Algebra						
	1	12:00-12:50	MTuWTh			HEc 303	staff
	2	2:00-2:50	TuWThF			HEc 303	staff
108a-3	Fundamentals of Mathematics					HS Math of Math 106	
	1	9:00-9:50	TuW	F		HEc 106	staff
	2	11:00-11:50		F		Gym 204	staff
		11:00-11:50	Tu	Th		Gym 203	staff
	3	1:00-1:50	Tu	ThF		Wham 206	staff
	4	3:00-3:50	Tu	ThF		Wham 205	staff

Course No. & Hours	Descriptive Title	Summer	Time	Days	Bldg & Room	Prerequisite Instructor
108b-3		1	8:00-8:50	Tu Th	HEc 301	108a staff
			8:00-8:50	F	Wham 110	staff
		2	2:00-2:50	M W F	HEc 203	staff
108c-3		1	11:00-11:50	Tu	HEc 118	114b or 108b staff
			11:00-11:50	W	HEc 106	staff
			11:00-11:50	F	Wham 210	staff
		T2	12:00-12:50	Tu Th	HEc 201	staff
			12:00-12:50	F	HEc 106	staff
110-3	Economic and Business Statistics					108b or 114b, open only to economics majors and School of Business students as a substitute for 108c or 114c
		1	8:00-8:50	M W F	Wham 308	Mr Martinsek
114a-3	College Algebra and Trigonometry					HS Math or Math 106
		1	9:00-9:50	MTu Th	HEc 203	staff
		2	12:00-12:50	M W F	Wham 205	staff
		T3	12:00-12:50	M W F	HEc 201	staff
		4	3:00-3:50	M W F	Wham 206	staff
		T5	3:00-3:50	M W F	HEc 303	staff
114b-3		1	9:00-9:50	Tu Th	HEc 303	114a staff
			9:00-9:50	F	HEc 203	staff
		2	1:00-1:50	M	HEc 301	staff
			1:00-1:50	Tu Th	HEc 201	staff
114c-3		1	10:00-10:50	M	HEc 203	114a staff
			10:00-10:50	Tu Th	Wham 308	staff
		2	2:00-2:50	M WTh	Wham 206	staff
120a-3, 120b-3, 120c-3 ¹	Elementary Chinese					
		1	9:00-10:50	MTuWThF	HEc 122	staff
CHIN 120a-1, 120b-1, 120c-1 ²	Chinese Conversation					Current enrollment in GSD 120a,b,c
		1	11:00-11:50	M W F	HEc 122	staff
123c-3	Elementary French					123b
		1	10:00-10:50	M W F	Wh 207	Mr Ulner
126c-3	Elementary German					126b
		1	9:00-9:50	M W F	Wh 207	Mr Swick
136a-3, 136b-3, 136c-3 ³	Elementary Russian					
		1	8:00-9:50	MTuWThF	HEc 128	Mr Kupcek
140c-3	Elementary Spanish					140b
		1	11:00-11:50	M W F	Wh 207	Mr Ulner

¹ GSD 120a,b,c, must be taken as a unit for 9 hours.

² Chin 120a,b,c must be taken as a unit for 3 hours.

³ GSD 136a,b,c must be taken as a unit for 9 hours.

GENERAL STUDIES AREA E—HEALTH and PHYSICAL DEVELOPMENT (GSE)

101M-1	Beginning Swimming					
		1	10:00-10:50	M W F	Pool	Mr Holder
		2	11:00-11:50	M W F	Pool	Mr Iubelt
		3 ¹	To be arranged		LG	Mr Cross
103M-1	Personal Fitness					
		1	11:00-11:50	MTu Th	Quon	Mr Spackman
111M-1	Intermediate Swimming					
		T1	9:00-9:50	M W F	Pool	staff
		2	12:00-12:50	M W F	Pool	Mr Hartzog
		T3	11:35-12:50	Tu Th	Pool	staff
		4 ¹	To be arranged		LG	Mr Cross

44 / GENERAL STUDIES AREA E (GSE)

Course No. & Hours	Descriptive Title Summer	Time	Days	Bldg & Room	Prerequisite Instructor
126M-1	Beginning Bowling (fee required)				
	1	9:00-9:50	M WTh	Bowling Alley	Hartman
	2	10:00-10:50	M WTh	Bowling Alley	Hartzog
	3	11:00-11:50	M WTh	Bowling Alley	Meade
	T4	12:00-12:50	M WTh	Bowling Alley	staff
128M-1	Tennis				
	1	11:00-11:50	MTu Th	Tennis	Mr Martin
	2	12:00-12:50	MTu Th	Tennis	Mr Martin
	T3	1:00-1:50	MTu Th	Tennis	staff
	T4	2:00-2:50	MTu Th	Tennis	staff
136M	Golf				
	1	9:00-9:50	MTu Th	Gym 207	Mr Holder
	2	10:00-10:50	MTu Th	Gym 207	Mr Iubelt
	T3	11:00-11:50	MTu Th	Gym 207	staff
101W-1	Beginning Swimming				
	1	8:00-8:50	M W F	Pool	staff
	2	1:00-1:50	M W F	Pool	staff
102W-1	Beginning Contemporary Dance				
	1	8:00-8:50	M W F	Gym 208	Miss West
103W-1	Fundamentals of Body Movement				
	1	9:00-9:50	Tu ThF	Gym 114	Miss Wood
111W-1	Intermediate Swimming			101 or consent of department	
	T1	1:00-1:50	M W F	Pool	staff
116W-1	Archery				
	1	10:00-11:50	Tu Th	Gym 208	staff
119W-1	Beginning Golf				
	1	9:00-9:50	M W F	Gym 114	Miss Wood
	2	10:00-10:50	M W F	Gym 114	Miss Stehr
	3	11:00-11:50	M W F	Gym 114	Miss Wood
	4	1:00-1:50	M W F	Gym 114	Miss West
126W-1	Beginning Bowling (fee required)				
	T1	8:00-8:50	M W F	Bowling Alley	staff
	T2	12:00-12:50	M W F	Bowling Alley	staff
128W-1	Beginning Tennis				
	1	8:00-9:50	Tu Th	Gym 208	Miss West
	2	8:00-9:50	M W	Gym 114	Miss Wood
	T3	10:00-11:50	M W	Gym 208	staff
	4	10:00-11:50	Tu Th	Gym 208	staff
	5	1:00-2:50	Tu Th	Gym 208	staff
201-3	Healthful Living				
	1	8:00-8:50	MTuW	M 105	staff
	2	8:00-8:50	TuWTh	M 107	staff
	3	9:00-9:50	MTuW	M 105	staff
	4	9:00-9:50	M WTh	M 215	staff
	5	10:00-10:50	MTuW	M 105	staff
	6	10:00-10:50	TuWTh	M 107	staff
	7	11:00-11:50	MTuW	M 105	staff
	8	11:00-11:50	Tu ThF	M 107	staff
	9	12:00-12:50	TuWTh	HEc 106	staff
	10	12:00-12:50	TuWTh	HEc 118	staff
	11	12:00-12:50	TuWTh	M 102	staff
	12	1:00-1:50	MTuW	HEc 106	staff
	13	1:00-1:50	MTuW	M 201	staff
	T14	1:00-1:50	TuWTh	HEc 206	staff
	T15	2:00-2:50	M WTh	HEc 106	staff
	16 ¹	8:00-8:50	M WTh	LG	staff

¹ Residents of Little Grassy Lake only

Course No. & Hours — Descriptive Title Days . . . Bldg & Room . . . Prerequisite
Summer Time Days . . . Bldg & Room . . . Instructor

ACCOUNTING (ACCT)

250-4	Accounting Fundamentals	1	10:00-10:50	MTu ThF	T32 R110	Mr Richards
251a-4	Elementary Accounting	1	9:00-9:50	MTuWTh	T32 R110	Mr Page
251b-4		1	8:00-8:50	MTuWTh	T32 R111	Mr Schmidlein
251c-4		1	10:00-10:50	MTuWTh	T32 R111	Mr Schmidlein
309-2	Individual Income Tax	1	2:00-2:50	Tu Th	M 102A	Mr Swick
331-5	Tax Accounting	1	9:00-9:50	MTuWThF	T32 R111	Miss Barron
356-5	Auditing	1	8:00-8:50	MTuWThF	T32 R110	Mr Page
458-4	Accounting Systems	1	10:00-11:50	W	T32 R110	Mr Swick
			10:00-11:50	F	T32 R111	Mr Swick
459-4	Internship in Accounting	1	To be arranged			Consent of department Mr Swick
500-1 to 5	Readings in Accounting	1	To be arranged		T32 R118	Mr Swick
599-1 to 9	Thesis	1	To be arranged			Consent of department Mr Schmidlein

AGRICULTURAL INDUSTRIES (AG I)

114-4	Introduction to Agricultural Economics	1	1:00-1:50	MTuW	Ag 225	Mr Herr
			1:00-2:50	Th	Ag 225	Mr Herr
215-4	Introduction to Farm Structure and Electrification	1	8:00-8:50	M W	Ag 155	Mr Shute
			8:00-9:50	Tu Th	Ag 155	Mr Shute
310-4	General Agriculture	1	† 7:30-8:45	MTuW	Ag 225	Mr Wood
			7:30-10:10	Th	Ag 225	Mr Wood
		T2	† 7:30-8:45	MTuW	Ag 225	Mr Wood
			7:30-10:10	F	Ag 225	Mr Wood
390-1 to 6	Special Studies in Agricultural Industries	1	To be arranged			Consent of chairman staff
450-4	Advanced Farm Management (June 22-July 17)	1	10:20-1:00	MTuWThF	Ag 225	Mr Armstrong
520-1 to 6	Readings	1	To be arranged			Consent of chairman staff
575-1 to 6	Research	1	To be arranged			Consent of chairman staff
581-1	Seminar (June 22-July 17)	1	To be arranged			Consent of chairman staff
599-1 to 9	Thesis	1	To be arranged			Consent of chairman staff

AIR SCIENCE (USAF)

100A-0	Air Science I—Leadership Laboratory	1	10:00-10:50	Tu	Wh 102	Consent of department staff
200A-0	Air Science II—Leadership Laboratory	1	10:00-10:50	Tu	Wh 102	Consent of department staff

† June 15–August 6

Course No. & Hours — Descriptive Title Days . . . Bldg & Room . . . Prerequisite
Summer Time Instructor

ANIMAL INDUSTRIES (AN I)

231-4	Dairy Husbandry	1	9:00-9:50	M	W	F	Ag 116	Mr Olson and
			9:00-10:50		Th		Ag 120	Mr Reed
319-3	Horses	1	10:00-10:50	MTu			Ag 116	315 or consent of instructor staff
			9:00-10:50	W			Ag 114	staff
390-1 to 3	Special Studies in Animal Industries	1	To be arranged					staff
465-5	Swine Production	1	8:00-8:50	M	WThF		Ag 116	315 and 105 Mr Burnside and
			8:00-9:50	Tu			Ag 120	Mr Miller
486-4	The Range Livestock Industry (June 15-July 10)	1	To be arranged					480 and 485 Mr Kammlade
520-1 to 6	Readings in Animal Industries	1	To be arranged					staff
575-1 to 6	Individual Research	1	To be arranged					staff
599-2 to 9	Thesis	1	To be arranged					staff

ANTHROPOLOGY (ANTH)

400-4	Man and Culture	1	† 3:55-5:05	M	WTh		HEc 306	National Science Foundation students only Mr Riley
			2:35-3:50		F		HEc 306	Mr Riley
567-3 to 6	Seminar in Anthropology	1	To be arranged					Consent of department Mr Fowler
582-3 to 9	Problems in Archaeology	1	To be arranged					Consent of department staff
584-3 to 9	Problems in Cultural Anthropology	1	To be arranged					Consent of department staff
585-3 to 9	Readings in Anthropology	1	To be arranged					Consent of department staff
597-3 to 9	Fieldwork in Anthropology	1	To be arranged					Consent of department staff
599-3 to 9	Thesis	1	To be arranged					staff
600-1 to 12	Dissertation	1	To be arranged					staff

APPLIED SCIENCE (AP S)

422-3	Programming Systems	1	8:00-8:50	M	W	F	Ag 148	Engr 222 Mr Ashworth
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ART (ART)

100-6	Basic Studio	1	8:00-9:50	MTuWThF			A 112	Mr Bernstein
200-6	Studio Disciplines	1	8:00-9:50	MTuW	F		A 6	Mr Kington
300-4	Art Education	1	8:00-10:50	M	W		A 106	Mrs Hall
302-8	Workshop: Pottery (June 15-27)	1	To be arranged					Mr Vergette
309-3	Oriental Art	1	9:00-9:50	M	W	F	A 102	Mr Watkins

Course No. & Hours	Descriptive Title Summer	Title Time	Days	Bldg & Room	Prerequisite Instructor
325-2 to 12	Studio	1 To be arranged			Mr Breland
332-4	Jewelry and Silversmithing	1 10:00-12:50	M W F	A 11	Mr Kington
341-2 to 12	Drawing	1 10:00-11:50	M W F	A 202	Mr Bernstein
358-2 to 12	Prints	1 8:00-9:50	M W F	A 16	Mr Fink
405-8	Studio in Sculpture (June 15-July 31)	1 To be arranged			Consent of instructor Mr Sullivan
441-2 to 6	Studio in Drawing	1 To be arranged (four weeks)			Mr Harris
445a-3	Modern Art: Art of The 19th Century	1 10:00-10:50	M W F	A 102	Mr Watkins
460-2 to 12	Research in Art Education	1 † To be arranged			Mr Stewart
516-2 to 12	Research in Prints	1 To be arranged			Mr Fink
536-2 to 12	Research in Metal Construction	1 To be arranged			Mr Kington
566-2 to 12	Research in Art Education	1 † To be arranged			Mr Stewart
599-3 to 9	Thesis	1 † To be arranged			staff

ASIAN STUDIES

Students interested in a minor in Asian studies should consult Mr. H. B. Jacobini, Chairman, Committee on Asian Studies. His office is at 800 S. University. Specific courses which can be counted toward such a minor are listed in a special pamphlet issued by the Committee on Asian Studies.

ASTRONOMY (ASTR)

201-4	Introduction to Astronomy	1 11:00-11:50	MTu ThF	P 308	Miss Zimmerschied
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BOTANY (BOT)

301-3	Morphology of Vascular Plants	1 9:00-9:50	M W	LS 323	Miss Kaeiser
		8:00-9:50	F	LS 307	Miss Kaeiser
313-3	Natural History of Local Plants	1 8:00-8:50	Tu	LS 323	Mr Marberry
		8:00-9:50	M W	LS 307	Mr Marberry
320-5	Elements of Plant Physiology	1 8:00-8:50	M W F	LS 323	Mr Schmid
		8:00-9:50	Tu Th	LS 311	staff
390-2 to 4	Readings in Botany	1 To be arranged			botany major or minor staff
391-2 to 5	Special Problems in Botany	1 To be arranged			major or minor and consent of department staff
501-4	Plant Biology for High School Teachers	1 † 2:35-3:50	M W	LS 307	Mr Mohlenbrock
		1:10-3:50	Tu Th	LS 307	Mr Mohlenbrock

† June 15-August 6

Course No. & Hours	Descriptive Summer	Title Time	Days	Bldg & Room	Prerequisite Instructor
502-2 ¹	Recent Developments in Biological Sciences	1 year	Biology		
1	† 3:55-5:05	Tu		LS G16	staff
	1:10-2:25	W F		LS G16	staff
	10:20-11:35	F		LS G16	staff
503c-5	Advanced Angiosperm Taxonomy	National Science Foundation or consent of department			
1	† 8:55-11:35	Tu Th		LS 307	Mr Mohlenbrock
	(Plus Saturday sessions to be arranged)				
525-5	Cytology	315 or Zool 401			
1	8:00-9:50	M W F		LS 313	Mr Olah
	8:00-8:50	Tu Th		LS 313	Mr Olah
570-2 to 5	Readings	Consent of department			
1	To be arranged				staff
590-2 to 4	Introduction to Research	Consent of department			
1	To be arranged				staff
591-3 to 9	Problems and Introduction to Research	Consent of department			
1	To be arranged				staff
599-3 to 9	Thesis	Consent of department			
1	To be arranged				staff
600-1 to 12	Dissertation	Consent of department			
1	To be arranged				staff

¹ Cross-listed with Zoology

CENTRAL EUROPEAN STUDIES

Students interested in a minor in central European studies should consult Mr. E. K. Kamarsay, Department of Government, academic adviser for the program.

CHEMISTRY (CHEM)

101b-1	Optional Laboratory for GSA 101b	(See General Studies Area A for schedule)			
101c-1	Optional Laboratory for GSA 101c	(See General Studies Area A for schedule)			
111c-5	General—Inorganic Chemistry	111b			
1	11:00-11:50	Tu Th		P 204	Mr Van Lente
	10:00-10:50	Tu		P 204	Mr Van Lente
	10:00-11:50	M W F		P 200	staff
2	2:00-2:50	Tu Th		P 204	Mr Trimble
	1:00-1:50	Th		P 204	Mr Trimble
	1:00-2:50	M W F		P 213	staff
221-3	Qualitative Analysis	111c			
1	8:00-8:50	Tu F		P 111	Mr Joesten
	8:00-10:50	W		F 213	staff
235-5	General Quantitative Analysis	111c and logarithms			
1	10:00-10:50	M W F		P 204	Mr Van Lente
	8:00-10:50	Tu Th		P 103	staff
305b-4	Organic Chemistry, Preprofessional	305a			
1	11:00-11:50	W F		P 111	Mr Hadley
	9:00-11:50	M Th		P 205	staff
350-4	Biological Chemistry	240 or 305b or 341c			
1	1:00-1:50	M W F		P 111	Mr Brown
	1:00-3:50	Tu		P 115	staff
T2	1:00-1:50	M W F		P 111	Mr Brown
	1:00-3:50	Th		P 115	staff
432-4	Instrumental Techniques	235 or 331 and 305b or 341c			
1	11:00-11:50	M W		P 204	Mr Van Atta
	8:00-10:50	M W		P 103	staff

Course No. & Hours	— Descriptive Summer	Title Time	Days	Bldg & Room	Prerequisite Instructor
	2	11:00–11:50	M W	P 204	Mr Van Atta
		1:00–3:50	M W	P 103	staff
	3	11:00–11:50	M W	P 204	Mr Van Atta
		1:00–3:50	Tu Th	P 103	staff
446-4	Qualitative Organic	Analysis			341c
	1	8:00–8:50	M W	P 111	Mr Moulton
		8:00–10:50	Tu Th	P 115	staff
460-5	Theoretical Chemistry			235 or 331, and 305b or 341c	
	1	9:00–9:50	M W F	P 204	Mr Ruch
		8:00–10:50	Tu Th	P 104	staff
496a-2 to 6	Chemical Problems, Analytical			Consent of department	
	1	To be arranged		P 112	staff
496b-2 to 6	Chemical Problems, Biochemistry			Consent of department	
	1	To be arranged		P 112	staff
496c-2 to 6	Chemical Problems, Inorganic			Consent of department	
	1	To be arranged		P 112	staff
496d-2 to 6	Chemical Problems, Organic			Consent of department	
	1	To be arranged		P 112	staff
496e-2 to 6	Chemical Problems, Physical			Consent of department	
	1	To be arranged		P 112	staff
547-3 to 6	Advanced Laboratory Preparations in Organic Chemistry				543
	1	To be arranged			staff
594a-2 to 6	Special Readings in Chemistry, Analytical			Consent of department	
	1	To be arranged			staff
594c-2 to 6	Special Readings in Chemistry, Inorganic			Consent of department	
	1	To be arranged			staff
594d-2 to 6	Special Readings in Chemistry, Organic			Consent of department	
	1	To be arranged			staff
594e-2 to 6	Special Readings in Chemistry, Physical			Consent of department	
	1	To be arranged			staff
596a-3 to 6	Advanced Chemical Problems, Analytical			Consent of department	
	1	To be arranged			staff
596b-3 to 6	Advanced Chemical Problems, Biochemistry			Consent of department	
	1	To be arranged			staff
596c-3 to 6	Advanced Chemical Problems, Inorganic			Consent of department	
	1	To be arranged			staff
596d-3 to 6	Advanced Chemical Problems, Organic			Consent of department	
	1	To be arranged			staff
596e-3 to 6	Advanced Chemical Problems, Physical			Consent of department	
	1	To be arranged			staff
597a-3 to 15	Research and Thesis, Analytical			Consent of department	
	1	To be arranged			staff
597b-3 to 15	Research and Thesis, Biochemistry			Consent of department	
	1	To be arranged			staff
597c-3 to 15	Research and Thesis, Inorganic			Consent of department	
	1	To be arranged			staff
597d-3 to 15	Research and Thesis, Organic			Consent of department	
	1	To be arranged			staff
597e-3 to 15	Research and Thesis, Physical			Consent of department	
	1	To be arranged			staff
598a-1 to 15	Doctoral Research, Analytical			Consent of department	
	1	To be arranged			staff
598c-1 to 15	Doctoral Research, Inorganic			Consent of department	
	1	To be arranged			staff
598d-1 to 15	Doctoral Research, Organic			Consent of department	
	1	To be arranged			staff
598e-1 to 15	Doctoral Research, Physical			Consent of department	
	1	To be arranged			staff

Course No. & Hours — Descriptive Title Days Bldg & Room Prerequisite Instructor
Summer Time

CLOTHING and TEXTILES (C & T)

127-4	Clothing Selection and Construction	1	10:00-11:50	MTuWTh	HEc 304	Mrs Morgan
371-6	Field Experience	1	To be arranged			Miss Padgett
432-3	Workshop: Interior Design (June 15-26)	1	9:00-4:00	MTuWThF	HEc 302	Consent of instructor staff
481-2 to 4	Readings	1	† To be arranged			Consent of instructor Miss Padgett
528-4	Workshop: Recent Developments in Clothing and Textiles (July 13-August 7)	1	8:55-11:35	MTu ThF	HEc 310	127 or consent of instructor Miss Padgett
572-3	Workshop: Special Problems in Interior Design (June 29-July 10)	1	9:00-4:00	MTuWThF	HEc 302	staff
599-2 to 4	Thesis	1	† To be arranged			Miss Padgett

COMMUNITY DEVELOPMENT INSTITUTE

Students interested in a minor in community development should consult Dr. Richard C. Franklin, Director, Community Development Institute, Anthony Hall.

ECONOMICS (ECON)

214-3	Economics (Macro)	1	12:00-12:50	M WTh	Wham 201	GSB 211a Mrs Martinsek
215-3	Economics (Micro)	1	9:00-9:50	M W F	Wham 201	GSB 211a Mr Marks
301-1 to 6	Economics Readings	1	To be arranged			Consent of department Mr Wells
310-4	Labor Problems	1	4:00-4:50	MTuW F	Wham 110	206 or 215 Mr Morrison
315-4	Money and Banking I	1	3:00-3:50	MTuW F	Wham 110	206 or 214 Mr Hollenhorst
317-4	Economic History of the U.S.	1	2:00-2:50	MTu ThF	Wham 110	GSB 101a or GSB 211c or Econ 205 or 214 Mr Ellis
330-4	Public Finance I	1	1:00-1:50	MTuW F	HEc 208	GSB 211c or Econ 206 or 214 Mr Stalon
416-4	Money and Banking II	1	8:00-8:50	MTuW F	HEc 208	315 or consent of department Mr Hollenhorst
429-4	International Economics	1	11:00-11:50	MTuWTh	Wham321	(205 and 206) or (214 and 215) or consent of department Mr Allen
440-4	Intermediate Micro Theory	1	12:00-12:50	MTuWTh	Wham 303	(205 and 206) or 215 or consent of department Mr Allen
470-3	Business Cycles	1	10:00-10:50	M WTh	Wham 307	315 or 441 or consent of department Mr Marks
481-4	Comparative Economic Systems	1	1:00-1:50	M WThF	Wham 110	205 or (214 and 215) or consent of department Mr Wells
490-4 ¹	Economic Education Workshop (August 10-21)	1	9:00-11:40	MTuWThF	Wham 326	Mr Martinsek
			1:00-3:40	MTuWThF	Wham 326	Mr Martinsek
501-1 to 5	Economic Readings	1	To be arranged			Consent of department Mr Wells
599-3 to 9	Thesis	1	To be arranged			Consent of department Mr Wells
600-3 to 16	Dissertation	1	To be arranged			Consent of department Mr Wells

¹ Cross-listed with Secondary Education

Course No. & Hours — Descriptive Title Days . . . Bldg & Room . . . Prerequisite Instructor
Summer Time

EDUCATIONAL ADMINISTRATION and SUPERVISION (ED AD)

355-4 Philosophy of Education						
1	8:00-8:50	Tu Th	Wham 205		staff	
	8:00-8:50	F	Wham 206		staff	
	8:00-8:50	W	Wham 208		staff	
2	9:00-9:50	Tu Th	Wham 205		staff	
	9:00-9:50	F	Wham 206		staff	
	9:00-9:50	M	Wham 228		staff	
3 [†]	10:00-10:50	MTuWTh	HEc 208		Mr Moore	
T4	11:00-11:50	Tu Th	Wham 205		staff	
	11:00-11:50	F	Wham 208		staff	
	11:00-11:50	W	Wham 110		staff	
T5	1:00-1:50	Tu Th	Wham 205		staff	
	1:00-1:50	F	Wham 208		staff	
	1:00-1:50	W	Wham 228		staff	
420-4 Legal Basis of American Education						
1	† 2:35-3:50	MTuWTh	Wham 203		Mr Lawler	
424-4 School Administration						
1	† 7:30-8:45	MTuWTh	Wham 301B		Mr Bryant	
431-3 History of Education in the United States						
1	† 10:20-11:35	MTuW	Wham 328		Mr Brammell	
456-4 School Supervision						
1	† 11:45-1:00	MTuWTh	Wham 208		Mr Kraft	
500-4 Research Methods Guid. 422a or 422b						
1	† 2:35-3:50	MTuWTh	Wham 326		Mr Bach	
502-4 Seminar in Comparative Education						
1	† 11:45-1:00	MTuWTh	Wham 326		Mr Lean	
502s-4 Seminar in Comparative Education: Soviet Russia (June 15-July 10)						
1	1:10-3:50	MTuWTh	Wham 312		Mr Counts	
503-4 Seminar in Philosophy of Education						
1	† 10:20-11:35	MTuWTh	Wham 301B		Mr Axtelle	
506-4 Seminar: Curriculum in Relation to American Culture						
1	† 1:10-2:25	MTuWTh	Wham 301B		Mr Hall	
507a-4 Seminar: The Twentieth Century and Education						
1	† 8:55-10:10	MTuWTh	Wham 301B		Mr Axtelle	
520-4 Illinois School Law						
1	† 11:45-1:00	MTuWTh	Wham 206		Mr Beem	
533-4 School Buildings						
1	† 10:20-11:35	MTuWTh	Wham 326		Mr Randolph	
534-4 School Finance						
1	† 8:55-10:10	MTuWTh	Wham 326		Mr Lawler	
554-4 Contrasting Philosophies of Education						
1	† 8:55-10:10	MTuWTh	Wham 328		Mr Lean	
556-4 Seminar in Educational Supervision						
1	† 7:30-8:45	MTuWTh	Wham 326		Mr Bracewell	
563-4 Workshop in School Public Relations						
1	† 10:20-11:35	MTuWTh	Wham 137		Mr Neal	
575a-4 Individual Research (Curriculum)						
1	† To be arranged				staff	
575b-4 Individual Research (Supervision)						
1	† To be arranged				staff	
575c-4 Individual Research (Buildings)						
1	† To be arranged				staff	
575d-4 Individual Research (Finance)						
1	† To be arranged				staff	

† June 15-August 6

Course No. & Hours	Descriptive Title	Summer	Time	Days	Bldg & Room	Prerequisite Instructor
575e-4	Individual Research (School Law)	1	† To be arranged			staff
575f-4	Individual Research (Comparative Education)	1	† To be arranged			staff
575g-4	Individual Research (History of Education)	1	† To be arranged			staff
575h-4	Individual Research (Philosophy of Education)	1	† To be arranged			staff
575j-4	Individual Research (Administration)	1	† To be arranged			staff
575k-4	Individual Research (Elementary Education)	1	† To be arranged			staff
576a-4	Readings in Administration and Supervision	1	† To be arranged			staff
591-4	Seminar in Social and Philosophical Foundations	1	† 8:55-10:10	MTuWTh	Wham 231	Mr Jordan
596-4	Independent Investigation	1	† To be arranged			staff
597-1 to 3	Thesis	1	† To be arranged			staff
598-1 to 3	Thesis	1	† To be arranged			staff
599-1 to 3	Thesis	1	† To be arranged			staff
600-1 to 14	Dissertation	1	† To be arranged			staff

¹ Cross-listed with Philosophy

ELEMENTARY EDUCATION (EL ED)

314-4	Elementary School Methods	1	8:00-8:50	MTuWTh	Wham 203	Mr Brod
		2	† 7:30-8:45	MTuWTh	Wham 210	Mr Engel
337-4	Reading in the Elementary School	1	9:00-9:50	MTuWTh	Wham 203	Mr Brod
		2	† 10:20-11:35	MTuWTh	Wham 203	Mr Brod
350b-4 to 16	Kindergarten-Primary Student Teaching	1	To be arranged			staff
351b-4 to 16	Elementary Student Teaching	1	To be arranged in General			staff
		2	To be arranged in Art			staff
		3	To be arranged in EMH			staff
		4	To be arranged in Music			staff
		5	To be arranged in Physical Education			staff
		6	To be arranged in Physically Handicapped			staff
		7	To be arranged in Speech Correction			staff
402-4 ¹	Aero-Space Education Workshop (August 10-21)	1	8:55-11:35	MTuWThF	Wham 202	Mr Collins and
			1:10-3:50	MTuWThF	Wham 202	Mr Samford
413-4	Children's Literature	1	† 1:10-2:25	MTuWTh	Wham 208	Miss Baker
415-4	Improvement of Instruction in Arithmetic in the Elementary School	1	† 10:20-11:35	MTuWTh	Wham 208	Mrs Carter
	(June 29-July 24)	2	1:10-3:50	MTuWThF	Wham 202	Mrs Carter
430-3	Workshop in Creative Writing in the Elementary School (June 15-26)	1	8:55-11:35	MTuWThF	Wham 202	Miss Applegate
			1:00-3:00	MTuWThF	Wham 202	Miss Applegate
433-4	Workshop in Kindergarten-Primary Education (June 29-July 24)	1	8:55-11:35	MTuWThF	Wham 202	Miss Baker

Course No. & Hours	Descriptive Title Summer	Time	Days	Bldg & Room	Prerequisite Instructor
435-4 ²	Workshop in Elementary School Foreign Language Instruction (June 15-July 10)				
1	8:00-12:00	MTuWThF	Wh 214	Miss Peacock	
437-4	Problems in Reading				Student Teaching
1	† 8:55-10:10	MTuWTh	Wham 210	Mr Ragsdale	
442-4	Science for the Elementary Teacher				314
1	† 7:30-8:45	MTuWTh	USch 304	Mr Brown	
2	† 8:55-10:10	MTuWTh	USch 304	Mr Engel	
T-490-2	Workshop: Economic Education in Elementary Schools (August 3-7)				
T1	8:55-11:35	MTuWThF	Wham 202	Mr Senesh	
	1:10-3:50	MTuWThF	Wham 202	Mr Senesh	
505-4 ¹	Improvement of Reading Instruction				
1	† 8:55-10:10	MTuWTh	Wham 144	Mr Karlin	
507-1 to 4 ¹	Readings in Reading				Mr Karlin
1	† To be arranged				
515-4	Special Problems in the Teaching of Arithmetic in the Elementary School				
1	† 8:55-10:10	MTuWTh	Wham 208	Mr Lerch	
518-2 ¹	Supervision of Student Teachers (June 15-July 10)				
1	10:20-11:35	MTuWTh	Wham 303	Mr Smith	
541-4	Selected Teaching and Current Problems in Elementary School Science				
1	† 10:20-11:35	MTuWTh	USch 304	Mr Brown	
542-4	Language Arts in the Elementary School				
1	† 10:20-11:35	MTuWTh	Wham 210	Mr Ragsdale	
543-4	Teaching Social Studies in the Elementary School				
1	† 7:30-8:45	MTuWTh	Wham 206	Mr Randolph	
557-4	Elementary Principalship				
1	† 1:10-2:25	MTuWTh	Wham 210	Mr Bradfield	
558-2	Leadership in Elementary Education (June 29-July 3)				
1	8:55-11:35	MTuWThF	Wham 212	Mr Hicks	
	1:10-3:50	MTuWThF	Wham 212	Mr Hicks	
561-4	Elementary School Curriculum				
1	† 8:55-10:10	MTuWTh	Wham 206	Mr Lee	
575a-2 to 4	Individual Research (Curriculum)				Mr Lee
1	To be arranged				
575b-2 to 4	Individual Research (Supervision)				staff
1	To be arranged				
575c-2 to 4	Individual Research (Language Arts)				Mr Ragsdale
1	To be arranged				
575d-2 to 4	Individual Research (Science)				Mr Brown
1	To be arranged				
575e-2 to 4	Individual Research (Reading)				staff
1	To be arranged				
575f-2 to 4	Individual Research (Social Studies)				Mr Randolph
1	To be arranged				
575g-2 to 4	Individual Research (Problems in Elementary Education)				staff
1	To be arranged				
575h-2 to 4	Individual Research (Arithmetic)				Mrs Carter
1	To be arranged				
575j-2 to 4	Individual Research (Problems in Kindergarten-Primary)				Miss Baker
1	To be arranged				
575k-2 to 4	Individual Research (Elementary Administration)				staff
1	To be arranged				
596-5 to 9	Independent Investigation				staff
1	To be arranged				
597-1 to 3	Thesis				staff
1	To be arranged				
598-1 to 3	Thesis				staff
1	To be arranged				

† June 15-August 6

54 / ELEMENTARY EDUCATION (EL ED)

Course No. & Hours — Descriptive Title Days . . . Bldg & Room . . . Prerequisite Instructor
Summer Time

599-1 to 3	Thesis	1	To be arranged				staff
600-1 to 36	Dissertation	1	To be arranged				staff

¹ Cross-listed with Secondary Education, ² Cross-listed with Foreign Language

ENGINEERING (ENGR)

260a-3 ¹	Analytical Mechanics	1	8:00-8:50	M	W	F	T26 R110	Mr Moeller
260b-3 ¹		1	9:00-9:50	M	W	F	T26 R110	260a staff
260c-3 ¹		1	10:00-10:50	M	W	F	Ag 146	260b staff
300a-3 ¹	Thermodynamics	1	11:00-11:50	M	W	F	Ag 146	Math 150a staff
311a-3 ¹	Engineering Materials	1	8:00-8:50	M	W		EL 120	260c Mr Paulson
			2:00-4:50		W		EL 120	Mr Paulson
361-4 ¹	Engineering Economics	1	9:00-9:50	MTuWTh			Ag 146	Junior standing Mr Howe
412a-3	Engineering Practice	1	To be arranged					361 staff
517a-4	Analysis and Design of Engineering Systems	1	To be arranged					Mr Crosby

¹ Cross-listed with Engineering Technology

ENGINEERING TECHNOLOGY (E T)

101a-3	Graphics	1	10:00-11:50	M	W	F	T26 R114	Mr Klopp
101b-3		1	1:00-2:50	M	W	F	T26 R114	Mr Klopp
101c-3		1	1:00-2:50	M	W	F	T26 R114	staff
204a-3	Electrical Circuits	1	1:00-1:50	M	W		EL 110	Math 252a Mr Johnson
			2:00-4:50	M			EL 110	Mr Johnson
260a-3 ¹	Analytical Mechanics	1	8:00-8:50	M	W	F	T26 R110	Math 150a Mr Moeller
260b-3 ¹		1	9:00-9:50	M	W	F	T26 R110	260a staff
260c-3 ¹		1	10:00-10:50	M	W	F	Ag 146	260b staff
263a-3	Surveying	1	1:00-1:50	Tu	Th		EL 120	Math 111c or GSD 114c Mr Moeller
			2:00-4:50	Tu	Th		EL 120	Mr Moeller
300a-3 ¹	Thermodynamics	1	11:00-11:50	M	W	F	Ag 146	Math 150a staff
311a-3 ¹	Engineering Materials	1	8:00-8:50	M	W		EL 120	260c Mr Paulson
			2:00-4:50		W		EL 120	Mr Paulson
361-4 ¹	Engineering Economics	1	9:00-9:50	MTuWTh			Ag 146	Junior standing Mr Howe

¹ Cross-listed with Engineering

ENGLISH (ENG)

100-0	English Composition: Grammar and Usage							
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Course No. & Hours — Descriptive Title Days . . . Bldg & Room . . . Prerequisite Instructor
 Summer Time

(See General Studies Area D for schedule)

300-4	Principles of Grammar						
	1	8:00-8:50	MTu	ThF	HEc 202	staff	
	2	1:00-1:50	MTu	ThF	HEc 102	staff	
302a-4	English Literature (To 1550)						
	1	11:00-11:50	MTu	ThF	HEc 102	staff	
302b-4	English Literature (1550-1750)						
	1	10:00-10:50	MTu	ThF	HEc 102	staff	
302c-4	English Literature (after 1750)						
	1	12:00-12:50	MTu	ThF	HEc 102	staff	
309a-4	American Literature (To 1860)						
	1	9:00-9:50	MTu	ThF	HEc 202	staff	
	2	4:00-4:50	MTu	ThF	HEc 202	staff	
309b-4	American Literature (since 1860)						
	1	8:00-8:50	MTu	ThF	HEc 104	staff	
390-3	Advanced Composition						
	1	12:00-12:50	MTu	Th	HEc 202	staff	
391-3	Usage in English						
	1	9:00-9:50	M	W	F	Wham 307	staff
	2	11:00-11:50	M	W	F	HEc 202	staff
	3	1:00-1:50	M	W	F	Wham 307	staff
	4	2:00-2:50	M	W	F	HEc 104	staff
	5	3:00-3:50	M	W	F	HEc 118	staff
	6	7:00-8:25 P.M.	M	W		HEc 104	staff
403-4	History of English Language						
	1	6:00-7:50 P.M.	M	W		HEc 102	Mrs Krappe
421b-4	English Poetry (Later Romantics)						
	1	4:00-4:50	MTu	ThF	HEc 102	Mr Camp	
454a-4	English Fiction (Eighteenth Century Novel)						
	1	8:00-8:50	MTu	ThF	HEc 102	Mr Coleman	
454b-4	English Fiction (Victorian Novel)						
	1	9:00-9:50	MTu	ThF	HEc 102	Mr Partlow	
458b-4	American Fiction (Contemporary American)						
	1	3:00-3:50	MTu	ThF	HEc 102	Mr Pickett	
468-4	American Drama						
	1	10:00-10:50	MTuW	F	HEc 202	Mr Faner	
499-2 to 4	Readings in English						Consent of department
	1	To be arranged					staff
500-2	Methods and Materials of Research in English						
	1	12:00-12:50	Tu	Th	Wham 205	staff	
511-4	Studies in the Renaissance: Studies in the 16th Century Sonnet						
	1	2:00-2:50	MTu	ThF	Wham 321	Mr Staton	
519-4	Studies in Contemporary British Literature: Post World War II British Novels						
	1	3:00-4:50	Tu	Th	HEc 104	Mr Harkness	
521-4	Studies in Victorian Poetry						
	1	11:00-11:50	MTu	ThF	HEc 104	Mr Schneider	
534-4	Studies in Early 19th Century American Writers: Hawthorne						
	1	1:00-1:50	MTu	ThF	HEc 104	Mr Stibitz	
598a-1 to 3	Independent Review of English and American Literature						
	1	To be arranged					staff
598b-1 to 3							
	1	To be arranged					staff
598c-1 to 3							
	1	To be arranged					staff
599-2 to 9	Thesis						
	1	To be arranged					staff
600-1 to 16	Dissertation						
	1	To be arranged					staff

Course No. & Hours — Descriptive Title Days . . . Bldg & Room . . . Prerequisite Instructor
Summer Time

FOOD and NUTRITION (F & N)

105-4	Foods	1	8:00-8:50	M	W	HEc 212	Miss Becker
			8:00-9:50	Tu	Th	HEc 212	Miss Becker
247a-2	Workshop: School Lunch Program (June 15-19)	1	9:00-4:00	MTuWThF		HEc 101	Miss Becker
321-3	Food Demonstration	1	8:00-10:50	Tu	Th	HEc 101	Mrs Crouse
371-6	Field Experience	1	To be arranged				staff
556-4	Advanced Experimental Foods	1	† 8:55-11:35	Tu	F	HEc 204	Mrs Harper
			8:55-10:10	M	Th	HEc 204	Mrs Harper
572-2 to 4	Special Problems	1	To be arranged				Mrs Harper
580-4	Workshop: Recent Developments in Food and Nutrition (June 29-July 24)	1	1:10-3:50	MTu	ThF	HEc 214	staff
599-2 to 4	Thesis	1	† To be arranged				Mrs Harper

FOREIGN LANGUAGES

Foreign Language (FL)

435-4 ¹	Workshop in Elementary School Foreign Language Instruction (June 15-July 10)	1	8:00-12:00	MTuWThF	Wh 214	Miss Peacock
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Chinese (Chin)

120a-1, 120b-1, 120c-1	Chinese Conversation					
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(See General Studies Area D for schedule)

French (Fr)

161-0	French for Graduate Students	T1	2:00-2:50	MTu	Th	Wh 207	Mr Ulner
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German (Ger)

161-0	German for Graduate Students	1	10:00-10:50	M	W	F	Wh 107	Mr Swick
544-9 ²	NDEA German Summer Institute for Teachers of German	1	† 7:40-12:25	MTuWThF			Wh 1	Mr Liedloff
			2:00-5:05	MTuWThF			Wh 1	Mr Liedloff

Russian (Russ)

161-0	Russian for Graduate Students	T1	1:00-1:50	MTu	Th	Wh 212	Mr Kupcek
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Spanish (Span)

161-0	Spanish for Graduate Students	T1	1:00-1:50	MTu	Th	Wh 207	Mr Ulner	
311a-3	Survey of Spanish Literature	1	8:00-8:50	M	W	F	Wh 212	Mr Davis
360-3 ³	Travel-Study Course in Mexico	1	To be arranged			Mexico	Mr LaFontaine	
445-4	Cervantes	1	1:00-1:50	MTu	ThF	Wh 214	Mr Davis	

¹ Cross-listed with Elementary Education, ² Cross-listed with Secondary Education

³ Additional hours may be earned at the University of the Americas.

Course No. & Hours	— Descriptive Title	Summer	Title Time	Days	Bldg & Room	Prerequisite Instructor
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FORESTRY (FOR)

104-3	Introduction to Forestry	1	8:00–8:50	M W	Ag 168	Mr Hosley
			8:00–9:50	Tu	Ag 168	Mr Hosley
390-1 to 6	Special Problems in Forestry	1	To be arranged			staff
520a-1 to 6	Readings in Forestry	1	To be arranged			staff
520b-1 to 6	Readings in Resource Economics	1	To be arranged			staff
575-1 to 6	Research	1	To be arranged			staff
599-2 to 9	Thesis	1	To be arranged			staff

GEOGRAPHY (GEOG)

250-4	Introduction to Cultural Geography	1	11:00–11:50	MTuW F	GSB 101a, Geog 100 or 300 Ag 144	staff
300-4	Cultural Geography	1	9:00–9:50	MTu ThF	Ag 154	staff
301-3	Introduction to Geographic Methods	1	9:00–9:50	M W F	Ag 150	201, 210, 250 staff
310-4	Meteorology	1	10:00–10:50	MTuW F	GSB 101a, Geog 100, or 300 Ag 144	Mr Cunningham
313-3	Geography of Illinois	1	8:00–8:50	M W F	GSB 101a, Geog 100 or 300 Ag 144	Mr Cunningham
314-4	Geography of Anglo America	T1	10:00–10:50	MTu ThF	GSB 101a, Geog 100 or 300 Ag 154	staff
324-4	Conservation and Restoration of Natural Resources	1	9:00–9:50	MTuW F	GSB 101a, Geog 100 or 300 Ag 144	Miss Shank
401-3	Geography of Southeast Asia	T1	11:00–11:50	MTu Th	GSB 101a, Geog 100 or 300 Ag 150	staff
402-4	Geography of The Soviet Union	1	9:00–9:50	MTu ThF	GSB 101a, Geog 100 or 300 Ag 148	staff
416-4	Cartography	T1	1:00–2:50	Tu Th	GSB 101a, Geog 100 or 300 T173	staff
440-2 to 4	Readings for Majors	1	To be arranged			Consent of department staff
480-4	Workshop in the Teaching of Geography (June 15-26)	1	8:55–11:35	MTuWThF	GSB 101a, Geog 100 or 300 Ag 214	Miss Krause
			1:10–3:50	MTuWThF	Ag 214	Miss Krause
515-4	Geography Field Course (September 7-19)	1	To be arranged			Consent of department Mr Schmudde and Mr Thomas
520-4	Seminar: Physical Geography	1	1:00–2:50	M W	Consent of department Ag 150	staff
530-2 to 4	Independent Study in Geography	1	To be arranged			Consent of department staff
599-2 to 4	Thesis	1	To be arranged			Consent of department staff

GEOLOGY (GEOL)

440-1 to 4	Independent Study	1	To be arranged			Consent of chairman staff
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Course No. & Hours	Descriptive Summer	Title Time	Days	Bldg & Room	Prerequisite Instructor
450-9	Field Geology (June 15-July 24)				221, 302
	1	8:00-12:00	MTuWThF	LG	Mr Amos
		1:00-5:00	MTuWThF	LG	Mr Amos
540-3	Advanced Studies (General Geology)				221
	1	8:00-9:50	Tu Th	Ag 170	staff
541-1 to 4	Research				
	1	To be arranged			staff
599-2 to 9	Thesis				
	1	To be arranged			staff

GOVERNMENT (GOVT)

231-5	American National Government				
	1	9:00-9:50	MTuWThF	M 201	Mr Frier
232-5	State and Local Government				
	1	8:00-8:50	MTuWThF	M 201	staff
300-4	American Government				
	1	11:00-11:50	MTu ThF	M 102A	Mr Sappenfield
	2	12:00-12:50	TuWThF	M 102A	Mr Sappenfield
321-1 to 6	Readings in Government				Consent of department
	1	To be arranged			Mr Alexander
330-2	Illinois Government			232 or consent of department	
	1	10:00-10:50	Tu Th	M 201	Mr Alexander
380-3	Political Parties			GSB 211b and 211c or Govt 231	
	1	11:00-11:50	M W F	M 201	Mr Roberds
GSB 385-3 ¹	Contemporary Political Isms			211b and 211c or consent of department	
	1	9:00-9:50	M W F	M 203B	Mr Kamarasy
390-5	Principles of Comparative and Foreign Government			GSB 211b and 211c or consent of department	
	1	12:00-12:50	MTuWThF	HEc 208	Mr Hardenbergh
406-4	The American Chief Executive				231 and 232
	1	9:00-9:50	MTu ThF	M 102A	Mr Alexander
455-4	Major Governments of Western and Central Europe			390 or consent of department	
	1	8:00-8:50	MTu ThF	M 102A	Mr Kamarasy
457-4	Government and Politics in the Near and Middle East			390 or consent of department	
	1	1:00-1:50	MTuW F	M 102A	Mr Abbass
458-4	Government and Politics of Southeast Asia			390 or consent of department	
	1	2:00-3:50	Tu Th	M 201	Mr Jacobini
467-4	Municipal Government and Administration				232
	T1	12:00-12:50	MTuWTh	M 203B	Mr Guild
472-4	International Government			GSB 303 or consent of department	
	1	11:00-11:50	MTuW F	M 203B	Mr Abbass
478-4	International Politics			GSB 303 or consent of department	
	1	10:00-10:50	MTu ThF	M 102a	Mr Landecker
501-3	Seminar: Contemporary Legislation			340 or consent of department	
	1	6:30-9:00 P.M.	Tu	M 202	Mr Alexander
505-3	Seminar: Political Parties			380 or consent of department	
	1	2:00-3:30	M W	M 202	Mr Roberds
521-1 to 6	Readings in Government				Consent of department
	1	To be arranged			Mr Alexander
530-4 to 12	Internship in Public Affairs				Consent of department
	1	To be arranged			staff
595-2 to 12	Individual Research				Consent of department
	1	To be arranged			staff
599-2 to 9	Thesis				Consent of department
	1	To be arranged			staff
600-2 to 12	Dissertation				Consent of department
	1	To be arranged			staff

¹ General Studies Course listed for the convenience of government students

Course No. & Hours	— Descriptive Title	Summer	Title Time	Days	Bldg & Room	Prerequisite Instructor
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GUIDANCE (GUID)

305-4	Educational Psychology					Psyc 201
	1	9:00-9:50		TuWThF	Wham 105	Miss Parks
422a-4	Educational Measurement and Statistics					305
	1	11:00-11:50		TuWThF	Wham 105	Miss Parks
422b-4						305
	1	† 10:20-11:35		MTuW F	Wham 302	Mr Fitzpatrick
422c-4						422a, 422b
	1	† 10:20-11:35		M WThF	Wham 228	Mr Dizney
442-4	Basic Principles of Guidance					
	1	† 7:30-8:45		MTuWTh	Wham 228	Mr Phelps
481-6	Seminar on a Selected Topic: Placement Counselor Training Program for the Blind (June 7-July 10)					Consent of department
	1	To be arranged				Mr Viececi
481-4	Seminar on a Selected Topic: Institute for Rehabilitation Personnel (August 17-28)					Consent of department
	2	To be arranged				Mr Renzaglia
501-2 to 6	Special Research Problems					Consent of department
	1	† To be arranged				staff
511-4	Educational Implications of Learning Theory					Advanced standing
	1	† 11:45-1:00		TuWThF	Wham 212	Mr Edwards
515-4	Psychological Aspects of Education					Advanced standing
	1	† 8:55-10:10		TuWThF	Wham 228	Mr Edwards
520a-4	Educational Statistics and Experimental Design					422b
	1	† 11:45-1:00		MTu ThF	Wham 228	Mr Fitzpatrick
525-4	School Behavior Problems and Their Prevention					Advanced standing
	1	† 11:45-1:00		MTuW F	Wham 203	Mrs Parker
536a-4	Individual Measurement and Appraisal (Children)					422c
	1	† 1:10-3:50		M W	Wham 229	Mrs Parker
536b-4	Individual Measurement and Appraisal (Adolescents)					422c
	1	† To be arranged			Wham 229	Mr Carcena
537a-4	Counseling Theory and Practice					Advanced standing
	1	† 1:10-3:50		M W	Wham 303	Mr Meek
537b-4						537a
	1	† 1:10-3:50		Tu Th	Wham 229	Mr Meek
541-4 ¹	Occupational Information and Guidance					442
	1	† 11:45-1:00		MTuWTh	Wham 202	Mr Ramp
545b-4	Seminar: Learning and Communication					Advanced standing
	1	† 2:35-3:50		MTuWTh	Wham 231	Mr Kibler
545e-4	Seminar: Test Analysis					422c
	1	† 1:10-2:25		M WThF	Wham 231	Mr Dizney
545j-4	Seminar: Organization and Administration					442
	1	† 10:20-11:35		MTuWTh	Wham 229	Mr Phelps
562a-4	Human Development in Education (Child)					Advanced standing
	1	† 7:30-8:45		MTu ThF	Wham 208	Mr Skinner
562b-4	Human Development in Education (Adolescent)					Advanced standing
	1	† 10:20-11:35		MTu ThF	Wham 206	Mr Skinner
573-2	Selection, Placement, and Follow Up					Consent of department
	1	† To be arranged				Mr Viececi
575a-3	Practicum in Counseling					Consent of department
	1	† To be arranged				Mr Doleys
575b-1 to 12	Practicum in Elementary Guidance					Consent of department
	1	† To be arranged				Mr Donnelly
581c-1 to 12	Internship in Secondary Guidance					Consent of department
	1	To be arranged				Mr Donnelly

† June 15-August 6

Course No. & Hours	— Descriptive Title	Summer	Time	Days	Bldg & Room	Prerequisite Instructor
596-3 to 9	Independent Investigation	1	To be arranged			Consent of department staff
599-2 to 9	Thesis	1	† To be arranged			Advanced standing staff
600-3 to 48	Dissertation	1	† To be arranged			Advanced standing staff

¹ Cross-listed with Industrial Education

HEALTH EDUCATION (H ED)

205-4	Principles and Foundations of Health Education	1	8:00-8:50	M WThF	M 214	Mr C Richardson
302S-4	Driver Education and Training	1	8:00-8:50	MTuWTh	M 311	Illinois Driver's license Mr Bridges
334S-4	First Aid	1	8:00-8:50	TuWThF	M 301	Mr J Richardson
		2	12:00-12:50	MTu ThF	M 214	Mr Bridges
350-4	Methods and Materials in Elementary School Health Education	1	8:00-8:50	MTuWTh	M 215	Mr Casey
		2	12:00-12:50	TuWThF	HEc 206	Miss Phillips
460-4	Methods and Materials in Secondary School Health Education	1	† 7:30-8:45	MTuW F	M 102	Mr Vaughan
461-4 to 6	Workshop in Health Education (June 15-July 10)	1	1:10-4:30	MTuWThF	M 102	100 or 201 Mr Grissom
462-4	Workshop in Health Education (June 15-July 10)	1	1:10-4:30	MTuWThF	M 102	461 Mr Grissom
463-4	Workshop in Health Education (June 15-July 10)	1	1:10-4:30	MTuWThF	M 102	462 Mr Grissom
471-4	Organization and Administration of School Health Programs	1	† 11:45-1:00	MTuW F	Wham 319	Mr Vaughan
475S-3	Traffic Law Enforcement and Planning	1	† 11:45-1:00	MTu Th	Gym 204	Mr Aaron
480S-4	Workshop in Safety Education (July 13-August 6)	1	1:10-4:00	MTuWThF	312, 323 or	consent of department Mr Bridges and Mr Aaron
490-4 to 6	Field Work in School and Community Health	1	† To be arranged			Mr Grissom
511-5	Practicum in Health Education Workshop (June 15-July 10)	1	10:00-11:00	MTuWThF	M 214	Mr Grissom
			1:10-4:30	MTuWThF	M 214	Mr Grissom
520-4	Special Projects in Health Education	1	† To be arranged			Mr Boydston
530S-4	Problems and Research in Accident Prevention	1	† 10:20-11:35	MTuWTh	M 102	Mr Aaron
533c-4	Human Conservation	1	† 8:55-10:10	MTuWTh	M 102	Mr C Richardson
597-1	Seminar in Health Education	1	To be arranged			staff
600-3 to 16	Dissertation	1	To be arranged			staff

HIGHER EDUCATION (HI ED)

410-4	Higher Education in the United States	1	† 7:30-8:45	MTuWTh	Wham 229	staff
521y-2	Seminar in Higher Education: The Technical Institute	1	† To be arranged			Mr Simon
522a-1 to 6	Readings in Higher Education—College Teaching	1	† To be arranged			Mr Hand

Course No. & Hours	Descriptive Title	Summer	Time	Days	Bldg & Room	Prerequisite Instructor
522b-1 to 6	Readings in Higher Education—College Student Personnel	1	† To be arranged			staff
522c-1 to 6	Readings in Higher Education—College Administration	1	† To be arranged			Mr Hand
523a-1 to 12	Internship in Higher Education—College Teaching	1	† To be arranged			Mr Hand
523b-1 to 12	Internship in Higher Education—College Student Personnel	1	† To be arranged			staff
523c-1 to 12	Internship in Higher Education—College Administration	1	† To be arranged			Mr Hand
524a-2 to 6	Special Problems in Higher Education—College Teaching	1	† To be arranged			Mr Hand
524b-2 to 6	Special Problems—College Student Personnel	1	† To be arranged			staff
524c-2 to 6	Special Problems—College Administration	1	† To be arranged			Mr Hand
576-4	Administrative Practices in Higher Education	1	† 8:55–10:10	MTuWTh	Wham 229	Mr Hand

HISTORY (HIST)

201a-3	History of the United States (to 1815)	1	8:00–8:50	Tu Th	Browne	Mr Adams and Miss Fladeland
			8:00–8:50	F	M 206	staff
		2	8:00–8:50	Tu Th	Browne	Mr Adams and Miss Fladeland
			8:00–8:50	M	M 207	staff
		3	8:00–8:50	Tu Th	Browne	Mr Adams and Miss Fladeland
			8:00–8:50	M	M 206	staff
		T4	8:00–8:50	Tu Th	Browne	Mr Adams and Miss Fladeland
			8:00–8:50	F	M 207	staff
201b-3	History of the United States (1815-1898)	1	12:00–12:50	M W	Browne	Mr Allen
			12:00–12:50	Th	M 209	staff
		2	12:00–12:50	M W	Browne	Mr Allen
			12:00–12:50	Th	M 206	staff
		3	12:00–12:50	M W	Browne	Mr Allen
			12:00–12:50	F	M 209	staff
		T4	12:00–12:50	M W	Browne	Mr Allen
			12:00–12:50	F	M 206	staff
367C-3	History of the Far East (Since 1945)	1	9:00–9:50	M W F	M 209	Mr Kuo
372b-3	History of Russia (Since 1905)	1	3:00–3:50	M W F	HEc 208	Mr O'Day
410-3 to 5	Special Readings in History	1	To be arranged			Consent of department staff
411b-3	Social and Intellectual History of the United States (1830-1900)	1	11:00–11:50	M W F	M 209	Mr Adams and Miss Fladeland
435c-3	Recent History of the United States (Since 1928)	1	10:00–10:50	M W F	M 209	Mr Allen
442c-3	History of the West (Trans-Mississippi)	1	9:00–9:50	M W F	M 107	Mr Briggs
449-3	Development of Afro-Asian Nationalism	1	8:00–8:50	M W F	M 209	Mr Kuo

† June 15–August 6

Course No. & Hours	Descriptive Title Summer	Title Time	Days	Bldg & Room	Prerequisite Instructor
452-3	Historical Research and Thesis Writing	1 12:00-12:50	M W F	M 107	history major Mr Briggs
460b-3	Social and Intellectual History of the Middle Ages (1000-1250)	1 10:00-10:50	MTu Th	M 206	Mr Shelby
471b-3	History of Mexico (20th Century)	T1 1:00-1:50	M W F	M 209	Mr Gardiner
500-3	History Seminar	1 2:00-3:25	Tu Th	HEc 208	Mr Allen
510-2 to 5	Readings in History	1 To be arranged			Consent of department staff
599-3 to 9	Thesis	1 To be arranged			staff

HOME and FAMILY (H & F)

227-3	Family Living	1 9:00-9:50	MTu Th	HEc 120	GSB 201b Mr Carpenter
300-3	Home Economics for Men	1 11:00-11:50	M W F	HEc 118	Mrs Kraft
332-4	Home Management Residence	1 To be arranged		227, 331 and F&N 335 HEc Apt	staff
341-4	Consumer Problems	1 1:00-1:50	MTuWTh	HEc 118	Mrs Kraft
407-2	Workshop: Problems in Teaching Family Life (July 13-24)	1 1:10-3:50	MTuWThF	HEc 120	Mr Carpenter
481-2 to 4	Readings	1			Consent of department Miss Johnston and Mr Carpenter
550-4	Advanced Home Management (June 29-July 24)	1 8:55-11:35	MTu ThF	HEc 5	331, 332 Miss Johnston
566-4	Interpersonal Relations Within the Family	1 † 11:45-1:10	MTu ThF	HEc 120	Mr Carpenter
572-2 to 4	Special Problems	1 To be arranged			Consent of department Miss Johnston and Mr Carpenter
599-2 to 5	Thesis	1 To be arranged			Consent of department Miss Johnston and Mr Carpenter

HOME ECONOMICS EDUCATION (HE ED)

309-5	Methods and Philosophy of Teaching	1 12:00-12:50	MTuWThF	HEc 122	Mrs Morgan
415-1	Introduction to Graduate Study	1 † 7:30-8:45	W	HEc 120	Miss Fults
481-2 to 4	Readings	1 † To be arranged			staff
500-4	Research Methods	1 † 7:30-8:45	MTu ThF	HEc 120	Guid 422a or 422b Miss Fults
507-3	Workshop: Emphasis on Curriculum (June 15-26)	1 9:00-4:00	MTuWThF	HEc 133	Miss Walsh
507-4	Workshop: Emphasis on Wage-Earning Training in Home Economics According to New Vocational Act (June 29-July 24)	2 8:55-11:35	MTu ThF	HEc 133	Miss Walsh
515-4	Trends in Home Economics Education (June 15-July 10)	1 1:10-3:50	MTu ThF	HEc 120	Miss Keenan
572-2 to 4	Special Problems	1 † To be arranged			staff
599-2 to 5	Thesis	1 † To be arranged			staff
600-3 to 15	Dissertation	1 † To be arranged			staff

Course No. & Hours	—	Descriptive Title	Days	Bldg & Room	Prerequisite Instructor
	Summer	Time			

INDUSTRIAL EDUCATION (I ED)

302-4	Construction Methods for Primary Teachers				
	1	8:00-9:50	MTuWTh	T25 R110	Mr Bunten
	2	12:00-1:50	MTuWTh	T25 R110	staff
303-4	Diversified Crafts for Teachers and Recreational Leaders				
	1	10:00-11:50	MTuWTh	USch R105	staff
	2	2:00-3:50	MTuWTh	USch R105	staff
319-3	Industrial Internship				
	1	To be arranged			staff
320a-4 ¹	Industrial Crafts				
	1	10:00-11:50	MTuWTh	T25 R110	staff
322a-3 ¹	Machining of Metals				
	1	8:00-9:50	TuWTh	T25 R109	staff
343a-3 ¹	Electricity—Electronics				
	1	6:30-9:15 P.M.	M W	T25 R106	staff
430-2 to 6	Special Problems in Industry and Technology				Consent of instructor
	1	† To be arranged			Mr Johnson
435-6 to 12	Manual Arts Internship				Consent of instructor
	1	† To be arranged			Mr Johnson
465a-3 ¹	Industrial Safety				
	1	† 1:10-2:25	MTuW	Wham 326	Mr Johnson
485-3	Principles and Philosophy of Industrial, Vocational and Technical Education				
	1	† 7:30-8:45	TuWTh	Wham 321	Mr Simon
487-3	Layout and Planning of Technical Facilities				
	1	† 10:20-11:35	MTuW	T26 R110	Mr Pollock
491b-3	Principles of Industrial Teaching				
	1	† 8:55-10:10	M WTh	Wham 317	staff
496-3	Selection and Organization of Subject Matter				
	1	† 11:45-1:00	TuWTh	Wham 317	staff
504-4	History of Vocational and Industrial Education				
	1	† 2:35-3:50	MTuWTh	Wham 317	staff
505-4	Administration and Supervision of Industrial Education				
	1	† 1:10-2:50	MTuWTh	Wham 319	Mr Gallington
540-4	Research in Technological Education				
	1	† 8:55-10:10	M W	Ag 170	Mr Erickson
		8:55-10:10	Tu Th	Ag 150	Mr Erickson
541-4 ²	Occupational Information and Guidance				
	1	† 11:45-1:00	MTuWTh	Wham 202	Mr Ramp
560-2 ³	New Developments in Technological Education				
	New Approaches to Industrial Arts (June 16-25)				
	1	10:20-11:35	TuWThF	Wham 317	Mr Swanson
		1:10-2:25	MTuWTh	Wham 317	Mr Swanson
	Federal Legislation and Evolving Programs of Vocational Education (June 30-July 9)				
	2	10:20-11:35	TuWThF	Wham 317	Mr Mobley
		1:10-2:25	MTuWTh	Wham 317	Mr Mobley
	Improving Instruction Through Modern Technological Devices (July 14-23)				
	3	10:20-11:35	TuWThF	Wham 317	Mr Kokusek
		1:10-2:25	MTuWTh	Wham 317	Mr Kokusek
	Adult Vocational Education (July 28-August 6)				
	4	10:20-11:35	TuWThF	Wham 317	Mr Brown
		1:10-2:25	MTuWTh	Wham 317	Mr Brown
570-2 to 6	Special Investigations in Industrial Education				Consent of Instructor
	1	† To be arranged			staff

¹ Cross-listed with Industrial Technology, ² Cross-listed with Guidance³ Cross-listed with Secondary Education

† June 15-August 6

Course No. & Hours — Descriptive Title Days Bldg & Room Prerequisite Instructor
 Summer Time

INDUSTRIAL TECHNOLOGY (I T)

216a-3	Materials and Processes of Industrial Coverings	1	6:30-9:15 P.M.	M W	T25 R102	Mr Pollock	
305a-3	Technical Illustration	1	3:00-4:50	MTu Th	Ag 195	staff	235a
320a-4 ¹	Industrial Crafts	1	10:00-11:50	MTuWTh	T25 R110	staff	
322a-3 ¹	Machining of Metals	1	8:00-9:50	TuWTh	T25 R109	staff	
325a-3	Precision Forming and Shaping of Metals	1	8:00-9:50	TuWTh	T25 R109	Mr Schroeder	
342a-3	Protective and Decorative Coatings	1	12:00-1:50	MTuW	T25 R102	Mr Schroeder	312a
343a-3 ¹	Electricity—Electronics	1	6:30-9:15 P.M.	M W	T25 R106	staff	
345a-3	Industrial Electronics	1	8:00-9:50	M WTh	T25 R106	Mr Harmon	343a
465a-3 ¹	Industrial Safety	1	† 1:10-2:25	MTuW	Wham 326	Mr Johnson	

¹ Cross-listed with Industrial Education

INSTRUCTIONAL MATERIALS (I M)

306-4	School Library as Information Center	1	8:00-8:50	MTuWTh	Lib 112	Miss Behymer	
308-4	School Library Technical Processes	1	9:00-9:50	MTuWTh	Lib 112	Miss Behymer	
403-4	School Library Function and Management	1	† 11:45-1:00	MTuWTh	Wham 329	Miss Behymer	
405-4	Library Materials for Children	1	† 10:20-11:35	MTuWTh	Lib 112	Miss Cox	
417-4	Audio-Visual Methods in Education	1	† 7:30-8:45	MTuWTh	Wham 327	Mr Rust	
		2	† 8:55-10:10	MTuWTh	Wham 327	Mr Butts	
		3	† 10:20-11:35	MTuWTh	Wham 327	Mr Cottingham	
		4	† 11:45-1:00	MTuWTh	Wham 327	Mr Kilpatrick	
		5	† 1:10-2:25	MTuWTh	Wham 327	Mr Eide	
		6	† 2:35-3:50	MTuWTh	Wham 327	staff	
		T7	† 7:30-8:45	MTuWTh	Wham 319	staff	
		T8	† 8:55-10:10	MTuWTh	Wham 319	staff	
		T9	† 10:20-11:35	MTuWTh	Wham 319	staff	
		T10	† 11:45-1:00	MTuWTh	Wham 328	staff	
420-4	School Library Activities and Practices	1	† 7:30-8:45	MTuWTh	Wham 329	Miss Cox	
445-4	Preparation of Teacher-Made Audio-Visual Materials (June 15-July 10)	1	7:30-10:10	MTuWThF	T169	Mr Wendt	417
450-2	Classroom Teaching With Television (August 10-14)	1	8:55-11:35	MTuWThF	Lib 112	staff	
			1:10-3:50	MTuWThF	Lib 112	staff	
470-4	Programming Automated Instruction	1	† 8:55-10:10	MTuWTh	Wham 329	Mr Rust	
510-4	Mass Communications in Education	1	† 1:10-2:25	MTuWTh	Wham 329	Mr Butts	
548-4	Supervision and Administration of an Audio-Visual Program	1	† 7:30-8:45	MTuWTh	Lib AV Office	Mr Ingli	

Course No. & Hours	Descriptive Title Summer	Title Time	Days	Bldg & Room	Prerequisite Instructor
576-2 to 8	Problems in Instructional Materials				
	1	To be arranged		Wham 323	Mr Wendt
599-5 to 9	Thesis				
	1	To be arranged		Wham 323	Mr Wendt

JOURNALISM (JRNL)

102-3	Introduction to Journalism II				
	1	8:00-8:50	M W F	Ag 170	Mr Clayton
103-3	News				
	1	9:00-9:50	M W F	Ag 222	Mr Clayton
201-3	Newswriting and Editing I				103
	1	11:00-11:50	M	T48	Mr Leiter
		Laboratory to be arranged			
202-3	Newswriting and Editing II				103
	1	1:00-1:50	M W	Ag 218	Mr Bedford
		1:00-2:50	F	Ag 218	Mr Bedford
214-3	Typography				
	1	1:00-3:50	Tu Th	T185	Mr Modlin
260a-3 ¹	Fundamentals of Still Photography				
	T1	11:00-11:50	M WTh	T27 R104	Mr Craig
		1:00-3:50	W	Ag 142	Mr Craig
	T2	11:00-11:50	M WTh	T27 R104	Mr Craig
		1:00-3:50	Th	Ag 142	Mr Craig
303-3	Newswriting and Editing III				202
	1	1:00-1:50	Tu	T48	Mr Bedford
		Laboratory to be arranged			
330-3	Editorial Writing				201 and 202
	1	10:00-10:50	Tu Th S	Arranged	Mr Clayton
360c-2 to 6 ^{1,2}	Staff Photography				306a
	1	11:00-11:50	M	T27 R104	staff
370-3	Principles of Advertising				202
	1	10:00-10:50	M W F	Ag 222	Mr Hileman
391-3	Feature Writing				202
	1	9:00-9:50	M W F	T48	Mr Leiter
399-1	Senior Seminar				Senior standing
	1	10:00-10:50	W	Ag 116	staff
420-2 to 4	High School Journalism Clinic (July 13-25)				
	1	To be arranged			Mr Rice
421-4	School Publications				
	1	† 10:20-11:35	MTuWTh	Ag 148	Mr Rice
422-3	Teaching High School Journalism				
	1	† 8:55-10:20	S	Ag 218	Mr Rice
		1:10-2:25	Tu Th	Ag 218	Mr Rice
440-3	Content Analysis				
	1	9:00-9:50	M W F	Ag 218	Mr Rucker
449-2	Practicum				
	1	To be arranged		T48	Mr Leiter
499-3	Summer Workshop in News Analysis in the Classroom (July 27-August 5)				
	1	9:00-11:45	MTuWThF	H10	Mr Long
		1:00-3:50	MTuWThF	H10	Mr Long
501-4	Literature of Journalism				
	1	7:00-9:50 P.M.	M	H10	Mr Long
533-1 to 3	Research Problems in Journalism				
	1	To be arranged			Mr Rucker
599-3 to 8	Thesis				
	1	To be arranged			Mr Rucker

† June 15-August 6

Course No. & Hours — Descriptive Title Days . . . Bldg & Room . . . Prerequisite
Summer Time Instructor

600-1 to 16 Dissertation
1 To be arranged Mr Rucker

¹ Cross-listed with Printing and Photography.
² Credit in this course may be taken in connection with the Latin American Institute's summer program in Mexico. Interested students should see Mr. Craig, Department of Printing and Photography.

LABOR INSTITUTE

Students interested in this field should consult Mr. John M. McDermott, Director, Labor Institute. Offices are located at 911 South Forest.

LATIN AMERICAN INSTITUTE

Students interested in a special program in inter-American studies should consult Mr. A. W. Bork, Director, Latin American Institute. Offices are located at 907 South Lewis.

MANAGEMENT (MGT)

320-5 Corporation Finance Econ 205, Acct 251c
1 11:00-11:50 MTuWThF Wham 201 Mr Buboltz
328-3 Real Estate
1 8:00-8:50 M ThF HEc 201 Mr Litka
340-4 Business Organization and Management
1 12:00-12:50 MTuWTh Wham 110 Mr Patrick
361-3 Business Report Writing Junior standing
1 1:00-1:50 TuWTh Wham 321 Mr Fohr
371-4 Business Law I
1 11:00-11:50 M WThF HEc 201 Mr Litka
380-4 Production Management 340
1 8:00-8:50 MTu ThF Wham 202 Mr Newman
385-4 Personnel Management 340
1 1:00-1:50 MTuWTh Wham 201 Mr Patrick
473-4 Business Enterprise and Public Policy Senior standing
1 10:00-10:50 M WThF HEc 201 Mr Litka
479-4 Problems in Business and Economics Econ 307, senior standing
1 10:00-10:50 MTuWTh Wham 321 Mr Kittrell
481-3 Administrative Management 340
1 9:00-9:50 TuWTh Wham 321 Mr Hong
500-2 to 5 Readings in Business Administration
1 To be arranged Mr Hong
581-4 Business Policies
1 9:00-9:50 MTuWTh Wham 137 Mr Shull
599-2 to 9 Thesis
1 To be arranged Mr Shull

MARKETING (MKTG)

225-3 Marketing and the Economy GSB 201c or GSB 211b or equivalent
1 9:00-9:50 MTuWTh Wham 110 Rosenbarger
325-4 Marketing and the Firm 225
1 8:00-8:50 MTuWTh Wham 110 Rosenbarger
331-4 Retailing 230 or 325 or concurrent enrollment
1 10:00-10:50 TuWThF Wham 110 Hindersman
333-4 Principles of Advertising 230 or 325 or concurrently
1 9:00-9:50 TuWThF Wham 302 Hindersman
337-4 Principles of Salesmanship 230 or 325 or consent of instructor
1 10:00-10:50 Tu Th Wham 205 Mr Prell
10:00-10:50 M Wham 110 Mr Prell
10:00-10:50 F Wham 201 Mr Prell

Course No. & Hours	Descriptive Title Summer	Title Time	Days	Bldg & Room	Prerequisite Instructor
438-4	Sales Management			230 or 325 or concurrently	
1		11:00-11:50	MTu ThF	Wham 110	Mr Hoffman
501-2 to 5	Individual Research in Marketing				
1		To be arranged			Mr Prell
595-3	Seminar in Marketing				
1		To be arranged			Mr Hoffman
599-2 to 5	Thesis				
1		To be arranged			Mr Hoffman

MATHEMATICS (MATH)

150a-5	Elementary Calculus and Analytic Geometry			GSD 114b, 114c	
1		8:00-8:50	MTuWThF	HEc 303	staff
150b-5					150a
1		1:00-1:50	MTuWThF	HEc 303	staff
210-4	Teaching of Elementary Mathematics			GSD 108c	
1		8:00-8:50	TuWThF	HEc 203	staff
2		11:00-11:50	MTuWTh	HEc 303	staff
220-4	Elementary Statistics			106 or GSD 108a or GSD 114a	
1		9:00-9:50	MTu ThF	HEc 201	staff
2		11:00-11:50	MTu ThF	HEc 106	staff
3		2:00-2:50	MTu ThF	HEc 201	staff
225-4	Programming for Digital Computers			GSD 108c or GSD 114c	
1		10:00-10:50	TuWThF	HEc 203	staff
252a-5	Intermediate Calculus and Analytic Geometry			150b	
1		10:00-10:50	MTuWThF	HEc 303	staff
252b-4				252a	
1		12:00-12:50	MTu ThF	HEc 203	staff
320a-3	Fundamental Concepts of Algebra			150b	
1		11:00-11:50	M WTh	HEc 203	staff
335a-3	Concepts of Geometry			252a	
1		8:00-8:50	M WTh	HEc 106	staff
407-3	Introduction to Partial Differential Equations			305b	
1		10:00-10:50	M W F	HEc 118	staff
421a-3	Linear Algebra			252b	
1		2:00-2:50	MTu Th	HEc 118	staff
433-3	Theory of Point Sets			Consent of department	
1		9:00-9:50	M W F	HEc 118	staff
440-4	Modern Algebra for Teachers			National Science Foundation students only	
1		† 7:30-8:45	MTuWThF	Ag 220	Miss Moore
452a-3	Advanced Calculus			252b	
1		1:00-1:50	M W F	HEc 201	staff
460-4	Modern Geometry				
1		† 8:55-10:10	MTu ThF	Ag 220	staff
480a-4	Probability			National Science Foundation students only	
1		† 10:20-11:35	MTuWThF	Ag 220	Mr Skalsky
540-4	Group and Linear Transformations			National Science Foundation students only	
1		† 11:45-1:00	MTuWThF	Ag 220	Miss Pepper
545-4	Intermediate Analysis for High School Teachers			National Science Foundation students only	
1		† 7:30-8:45	MTuWThF	Ag 222	Miss Pepper
550e-2	Seminar in Mathematics Education			National Science Foundation students only	
1		† 1:30-4:00	Tu	HEc 122	Miss Moore
2		† 1:30-4:00	Th	HEc 122	Miss Moore
560-3	Calculus of Variations			452c	
1		8:00-8:50	M W F	HEc 118	staff
592-3	Research in Mathematics Education			National Science Foundation students only	
1		† 1:10-2:25	M W F	HEc 122	Mr McDaniel

† June 15-August 6

68 / MATHEMATICS (MATH)

Course No. & Hours	Descriptive Title	Days	Bldg & Room	Prerequisite Instructor
Summer	Time			
595a-3	Special Project in Algebra			Consent of department
1	To be arranged			staff
595b-3	Special Project in Geometry			Consent of department
1	To be arranged			staff
595c-3	Special Project in Analysis			Consent of department
1	To be arranged			staff
595d-3	Special Project in Probability and Statistics			Consent of department
1	To be arranged			staff
595e-3	Special Project in Mathematics Education			Consent of department
1	To be arranged			staff
599-2 to 6	Thesis			Consent of department
1	To be arranged			staff

MICROBIOLOGY (MICR)

511-1 to 8	Research				
1	To be arranged				staff
528-1 to 8	Readings in Microbiology				
1	To be arranged				staff
550-4	Microbiology for High School Teachers			National Science Foundation students only	
1	† 7:30–8:45	Tu Th	LS G16		staff
	7:30–10:10	W F	LS G6		staff
552-1	Seminar in Biological Sciences			National Science Foundation students only	
1	† 1:10–2:25	M	LS G16		staff
599-3 to 9	Thesis				
1	To be arranged				staff
600-1 to 12	Dissertation				
1	To be arranged				staff

MUSIC (MUS)

001b-1	Symphonic Band				
1	3:00–3:50	Tu Th	Alg 115		Mr Siener
002a-1	Chorus				
1	3:00–3:50	W F	Alg 115	Mr C Taylor and	Mr Kingsbury
003-1	Orchestra				
1	3:00–3:50	M	Alg 115	van Bronkhorst	
	7:00–9:00 P.M.	Tu		Aud Stage	van Bronkhorst
011-2 to 4	Private Violin				
1	To be arranged		Alg 219		Mr Wharton
2	To be arranged		Aud Stage		van Bronkhorst
021-2 to 4	Private Flute				
1	To be arranged		Alg 233		Mr Bottje
022-2 to 4	Private Oboe				
1	To be arranged		Alg 236		Mr Hussey
024-2 to 4	Private Bassoon				
1	To be arranged		Aud 201		Mr Intravaia
031-2 to 4	Private Percussion				
1	To be arranged		Aud 202		Mr Canedy
040-1	Class Piano				
1	8:00–8:50	M W	Alg 301		Mr Mueller
2	9:00–9:50	M W	Alg 301		Mr Barwick
041-2 to 4	Private Piano				
1	To be arranged		Alg 247		Mr Barwick
2	To be arranged		Alg 238		Mr Denker
051-2 to 4	Private French Horn				
1	To be arranged		Alg 204		Mr Olsson

Course No. & Hours	—	Descriptive Title Summer	Time	Days	Bldg & Room	Prerequisite Instructor
052-2 to 4	Private	Trumpet				
	1	To be arranged			Alg 204	Mr Olsson
053-2 to 4	Private	Trombone				
	1	To be arranged			Alg 229	Mr Betterton
054-2 to 4	Private	Tuba				
	1	To be arranged			Aud 202	Mr Siener
060-1	Class	Voice				
	1	8:00–8:50		Tu Th	Alg 246	Mr Miller
061-2 to 4	Private	Voice				
	1	To be arranged			Alg 246	Mr W Taylor
071-2 to 4	Private	Organ				Consent of instructor
	1	To be arranged			Alg 103c	Mr Morgan
105c-4	Theory of	Music				105b
	1	9:00–9:50		MTuWThF	Alg 116	Mr Hussey
200-3	Fundamentals of	Music				
	1	1:00–1:50		M W F	Alg 248	Mr Betterton
300b-3	Elementary	Music Methods for Non-Music Majors				200
	1	10:00–10:50		M W F	Alg 248	Mr Gordon
307-4	Recreational	Music				
	1	9:00–9:50		MTu ThF	Alg 248	Mr McIntosh
312a-2	Composition					
	1	To be arranged			Alg 233	Mr Bottje
312b-2						
	1	To be arranged			Alg 233	Mr Bottje
312c-2						
	1	To be arranged			Alg 233	Mr Bottje
326c-3	Analysis					105c
	1	10:00–10:50		M W F	Alg 106	Mr Bottje
330a-4	Music History & Literature					105c or GSC 206
	1	11:00–11:50		M WThF	Alg 115	Mr Morgan
346-2 to 8	Opera Workshop					
	1	† 7:00–10:00 P.M.		MTuWThF	Aud Stage	Mr W Taylor
(June 15–July 24)	2	9:00–12:00		M W F	Hot Springs,	
		4:00–6:00 P.M.		Tu ThF	Arkansas	Miss Lawrence
412-3	Choral Literature					
	1	1:00–1:50		Tu ThF	Alg 106	Mr Barwick
461-2	Teaching Techniques and Materials for Beginning and Intermediate Levels (Choral)					
	1	2:00–2:50		M W	Alg 106	Mr C Taylor
461-2	Teaching Techniques and Materials for Beginning and Intermediate Levels (Instrumental)					
	2	2:00–2:50		Tu Th	Alg 106	Mr Wharton
462-2	Teaching Techniques and Materials for the Advanced Student (H.S. Stage Band)					
	1	To be arranged			Aud 202	Mr Canedy
471-2 to 6	Private	Piano				
	1	To be arranged			Alg 247	Mr Barwick
	2	To be arranged			Alg 238	Mr Denker
472-2 to 6	Private	Voice				
	1	To be arranged			Alg 246	Mr W Taylor
473a-2 to 6	Private	Violin				
	1	To be arranged			Aud Stage	van Bronkhorst
474a-2 to 6	Private	Flute				
	1	To be arranged			Alg 233	Mr Bottje
476-2 to 6	Private	Organ				
	1	To be arranged			Alg 103c	Mr Morgan
481-2 to 6	Readings in	Music Theory				
	1	To be arranged			Alg 103b	Mr Mueller
482-2 to 6	Readings in	Music History and Literature				
	1	To be arranged			Alg 236	Mr Morgan

† June 15–August 6

70 / MUSIC (MUS)

Course No. & Hours	Descriptive Summer	Title Time	Days	Bldg & Room	Prerequisite Instructor
483-2 to 6	Readings in Music Education (History and Philosophy)				
1	To be arranged			Alg 229	Mr Gordon and Mr Betterton
501-3	Introduction to Graduate Study in Music				
1	9:00-9:50	M W F		Alg 106	Mr Barwick
502-3	History and Analysis of Musical Styles				
1	11:00-11:50	M W F		Alg 106	Mr Mueller
522-3	Seminar in Music History Literature				
1	To be arranged			Alg 103c	Mr Morgan
531-3	Advanced Composition				
1	To be arranged			Alg 233	Mr Bottje
553-3	Seminar in Choral Materials and Techniques (July 6-17)				
1	9:00-12:00	MTuWThF		Alg 116	Mr C Taylor
554-3	Seminar in Instrumental Materials and Techniques (July 6-17)				
1	1:00-4:00	MTuWThF		Alg 248	Mr Wharton, Mr Betterton, Mr Hussey, Mr Canedy, and Mr Siener
556-2 to 6	Advanced Conducting				
1	To be arranged				Mr van Bronkhorst Mr Kingsbury
568-2 to 8	Opera Workshop				
1	† 7:00-10:00 P.M.	MTuWThF		Aud Stage	Mr W Taylor
(June 15-July 24) 2	9:00-12:00	M W F		Hot Springs,	
	4:00-6:00 P.M.	Tu ThF		Arkansas	Miss Lawrence
571-4	Private Piano				
1	To be arranged			Alg 247	Mr Barwick
2	To be arranged			Alg 236	Mr Denker
572-4	Private Voice				
1	To be arranged			Alg 246	Mr W Taylor
576-4	Private Organ				
1	To be arranged			Alg 103c	Mr Morgan
599-3 to 6	Thesis				
1	To be arranged			Alg 103b	Mr Mueller

Opera Workshop 346 and 568 will be offered during periods indicated only. Other workshops are offered during the periods indicated. All private lessons (applied music courses) MUST be arranged with the instructor concerned on the first day of the summer session (June 15). Courses in private or class instruments will be offered to qualified non-music majors after consultation with the chairman of the Department of Music. Students enrolled in private or class applied courses are expected to practice at least one hour per day. Air-conditioned practice rooms will be assigned on the first day of the summer session at the music department office (Altgeld 103).

NURSING (NURS)

101a-1	Orientation to Nursing				
1	10:00-10:50	M W		HEc 128	Miss Harrison
101c-1					
1	10:00-10:50	Tu Th		HEc 128	Miss Harrison

PHILOSOPHY (PHIL)

340-4	Elementary Ethics and Politics				
1	11:00-11:50	MTuWTh		HEc 208	Mr McClure
355-4 ¹	Philosophy of Education				
1	10:00-10:50	MTuWTh		HEc 208	Mr Moore

Course No. & Hours	Descriptive Title Summer	Title Time	Days	Bldg & Room	Prerequisite Instructor
490-3	Special Problems				
	T1	3:00-5:30	Tu	HEc 211	Mr Baralt
490-1 to 4	Special Problems				
	2	To be arranged			staff
530-3	Seminar in Theory of Knowledge				
	1	3:00-5:30	W	HEc 211	Mr McClure
590-3	General Graduate Seminar: Linguistic Approach to Religious Problems				
	1	3:00-5:30	M	HEc 211	Mr Levy
590-1 to 5	General Graduate Seminar				
	2	To be arranged			staff
591-1 to 5	Readings in Philosophy				
	1	To be arranged			staff
599-2 to 9	Thesis				
	1	To be arranged			staff
600-2 to 12	Dissertation				
	1	To be arranged			staff

¹ Cross-listed with Educational Administration and Supervision

PHYSICAL EDUCATION FOR MEN (PEM)

101-2	Orientation Practicum in Physical Education				
	1	10:00-10:50	Tu F	Gym 203	Mr Martin
115-1	Methods and Materials of Coaching Baseball				
	1	9:00-9:50	M W F	Gym 207	Mr Martin
116-1	Methods and Materials of Teaching Gymnastics				
	1	10:00-10:50	M WTh	Gym 207	Mr Meade
118-1	Methods and Materials of Teaching Tennis				
	1	9:00-9:50	Tu ThF	Tennis	Mr Sexton
119-1	Methods and Materials of Teaching Golf				
	1	11:00-11:50	TuW F	Gym 207	Mr Holder
215-1	Methods and Materials of Coaching Track and Field				
	1	11:00-11:50	M WTh	Stadium	Mr Hartzog
216-1	Methods and Materials of Coaching Basketball				
	1	8:00-8:50	MTu Th	Gym 207	Mr Hartman
303-5	Kinesiology				Phsl 300
	1	9:00-9:50	MTuWThF	Gym 203	Mr Lingle
341-3	Principles of Physical Education				Senior standing
	1	10:00-10:50	M WTh	Gym 203	Mr Lingle
350-3	Methods and Materials of Teaching Physical Education Activities in Elementary School				
	1	8:00-8:50	MTuWTh	Gym 203	Mr Wilkinson
376-3	Emergency Care and Prevention of Athletic Injuries				Phsl 300
	1	12:00-12:50	MTuWTh	Gym 203	Mr Spackman
420-4 ¹	Physiological Effects of Motor Activity				
	1	† 10:20-11:35	MTuWTh	Gym 204	Mr Knowlton
501-4 ¹	Curriculum in Physical Education				
	1	† 7:30-8:45	MTuWTh	Gym 204	Miss Davies
503-4 ¹	Seminar in Physical Education				
	1	† 8:55-10:10	MTuWTh	Gym 204	Mr Shea
504-4 ¹	Problems in Physical Education				
	1	† To be arranged			Mr Bender
525-1 to 6	Readings in Physical Education				Consent of department
	1	† To be arranged			Mr Shea
599-6 to 9 ¹	Thesis				
	1	† To be arranged			staff

¹ Cross-listed with Physical Education for Women

† June 15-August 6

Course No. & Hours — Descriptive Title Days Bldg & Room Prerequisite
 Summer Time Instructor

PHYSICAL EDUCATION FOR WOMEN (PEW)

319-4	Teaching Elementary School Group Activities	Psyc 301 or Guid 305
1	9:00-9:50 MTuWTh	M 110 Miss Stehr
2	11:00-11:50 MTuWTh	M 110 Miss West
3	1:00-1:50 MTuWTh	M 110 Miss Wood
4	12:00-12:50 MTuWTh	M 110 staff
420-4 ¹	Physiological Effects of Motor Activity	
1	† 10:20-11:35 MTuWTh	Gym 204 Mr Knowlton
501-4 ¹	Curriculum in Physical Education	
1	† 7:30-8:45 MTuWTh	Gym 204 Miss Davies
503-4 ¹	Seminar in Physical Education	
1	† 8:55-10:10 MTuWTh	Gym 204 Mr Shea
504-4 ¹	Problems in Physical Education	
1	† To be arranged	Mr Bender
525-1 to 6 ¹	Readings in Physical Education	
1	† To be arranged	staff
599-6 to 9 ¹	Thesis	
1	† To be arranged	staff

¹ Cross-listed with Physical Education for Men

PHYSICS (PHYS)

206a-5	College Physics	Math 114c
1	8:00-8:50 M W F	P 308 staff
	8:00-9:50 Tu	P 317 staff
	8:00-9:50 Th	P 308 staff
211a-5	University Physics	Math 150b or concurrent enrollment
1	10:00-10:50 Tu ThF	P 309 staff
	10:00-11:50 M	P 309 staff
	10:00-11:50 W	P 317 staff
312-5	Radio	206c or 211c
T1	8:00-8:50 MTuW F	P 309 Mr Etherton
	8:00-9:50 Th	P 318 Mr Etherton
410-5	Physical Optics	305b; Math 305b or consent of department
1	9:00-9:50 MTuWThF	P 309 Mr Arvin
	8:00-8:50 Tu Th	P 302 Mr Arvin
420-2 to 5	Special Projects	301b; 305b
1	To be arranged	staff
520-2 to 5	Special Projects	501a or concurrent enrollment
1	To be arranged	staff
590-1 to 9	Thesis	501a or concurrent enrollment
1	To be arranged	staff

PHYSIOLOGY (PHSL)

209-5	Introduction to Physiology	For nurses only
1	8:00-8:50 M W F	LS 205 Mr Herbert
	8:00-9:50 Tu Th	LS 118 Mr Herbert

PLANT INDUSTRIES (PL I)

103-4	Introductory Study of Soils	H S Chem or concurrent college chemistry
1	8:00-8:50 MTuWTh	Ag 166 Mr Caster
304-3	Landscape Gardening	
1	11:00-11:50 M W	Ag 195 Mr Tucker
	10:00-11:50 F	Ag 195 Mr Tucker

Course No. & Hours	—	Descriptive Title	Summer	Time	Days	Bldg & Room	Prerequisite Instructor
309-4		Field Crop Production					GSA 201a
	1	10:00-10:50			MTuW	Ag 168	Mr Sherwood
		2:00-3:50			W	Ag 171	and Mr Portz
390-1 to 3		Special Studies in Plant Industries					Consent of department staff
	1	To be arranged					
407A-3		Fertilizers and Soil Fertility (June 22-July 17)					One course in soils
	1	7:30-10:10			M W F	Ag 172	Mr Vavra
520-1 to 3		Readings					Consent of department staff
	1	To be arranged					
575-1 to 6		Research					Consent of department staff
	1	To be arranged					
599-1 to 9		Thesis					Consent of department staff
	1	To be arranged					

PRINTING and PHOTOGRAPHY (P & P)

217-4 ¹		General Typography					
	1	8:00-9:50			MTuWTh	T185	Mr Modlin
260a-4 ²		Fundamentals of Still Photography					
	T1	11:00-11:50			M WTh	T27 R104	Mr Craig
		1:00-3:50			W	Ag 142	Mr Craig
	T2	11:00-11:50			M WTh	T27 R104	Mr Craig
		1:00-3:50			Th	Ag 142	Mr Craig
271a-4		Presswork					265a
	T1	1:00-5:00			Tu Th	VTI Bldg 2	Mr Evans
341a-4		Cinematography					
	1	8:00-8:50			MTuW	T27 R104	Mr Mercer
		1:00-2:50			W	T27 R100	Mr Mercer
	T2	8:00-8:50			MTuW	T27 R104	Mr Mercer
		3:00-3:50			W	T27 R100	Mr Mercer
344-1 to 6 ³		Workshop in Cinema Production					Consent of department
	1	To be arranged					Mr Paine
360c-2 to 6 ^{2,3}		Staff Photography					360a
	1	11:00-11:50			M	T27 R104	staff
390-1 to 6 ³		Problems in Still Photography and Cinematography					Consent of department
	1	To be arranged					staff

¹ Cross-listed with Industrial Education, ² Cross-listed with Journalism

³ Credit in these courses may be taken in connection with the Latin American Institute's summer program in Mexico. Interested students should see Mr. Craig.

PSYCHOLOGY (PSYC)

211a-4		Principles and Methods of Psychology					GSB 201c
	1	8:00-8:50			MTu Th	Ag 150	Mr Wagman
		8:00-9:50			W	T142	staff
211b-4							GSB 211a
	1	8:00-8:50			M WTh	Ag 224	Mr McHose
		8:00-9:50			Tu	T142	staff
307-4		Social Psychology					GSB 201c
	1	9:00-9:50			MTuWTh	Ag 224	Mr Pitz
320-4		Industrial Psychology					GSB 201c
	1	10:00-10:50			M WThF	Ag 224	Mr Hemingway
323-4		Psychology of Employee Relations					GSB 201c
	1	1:00-1:50			MTuWTh	Ag 116	Mr Westberg
407-4		Theories of Learning					211b
	1	9:00-9:50			M WThF	Ag 168	Mr McHose

† June 15-August 6

74 / PSYCHOLOGY (PSYC)

Course No. & Hours	Descriptive Title	Summer	Title Time	Days	Bldg & Room	Prerequisite Instructor
421-4	Psychological Tests and Measurements	1	11:00-11:50	M WThF	Ag 224	8 hours of psychology Mr Hemingway
440-4	Theories of Personality	1	1:00-1:50	M WThF	Wham 302	305 or consent of instructor Mr Martire
531-4	Advanced Psychopathology	1	† To be arranged		530, 541, 542	and consent of instructor Mr Simmons
593L-1	Practicum in Teaching Psychology	1	To be arranged			Consent of department Mr Carrier
595-1 to 18	Advanced Seminar	1	To be arranged			Consent of department Mr Alexander
599-1 to 9	Master's Thesis	1	To be arranged			staff
600-1 to 18	Doctoral Dissertation	1	To be arranged			staff

RADIO-TELEVISION (R-T)

161-4	Radio-Television Speaking	1	8:00-8:50	MTu ThF	RadS A	Mr Richter
		2	1:00-1:50	MTu ThF	RadS A	Mr Richter
251-2	Survey of Broadcasting	1	9:00-9:50	Tu Th	P 204	Mr Uray
257-4	Fundamentals of Broadcast Writing	1	10:00-10:50	MTu ThF	P 301	Mr Richter
352-4	Laws and Policies	1	11:00-11:50	MTu ThF	P 301	Mr Criminger
353-2	Radio-Television in Education	1	12:00-12:50	Tu Th	Stadium 101	Mr Richter
354-4	Radio and Television Program Planning	1	2:00-2:50	MTu ThF	Stadium 101	351 Criminger
361-2	Television Announcing	1	8:00-8:50	Tu Th	TVS	161, 261 or consent of department Mr Dybvig
368-3	Fundamentals of Television Production	1	10:00-11:50	M W F	TVS	367 or consent of department Mr Allen
373-1 to 5	Advanced Radio Production Laboratory	1	To be arranged		RadS	367 or consent of department Mr Uray
374-1 to 5	Advanced Television Production Laboratory	1	To be arranged		TVS	6 hrs 373 or consent of department Mr Dybvig
375a-4	News casting	1	12:00-12:50	MTuWTh	RadS A	161 and consent of department Mr Mofield
375g-3	Advertising and Sales	1	8:00-8:50	WThF	P 204	Consent of department Mr Mofield
375J-1 to 4	Individual Research Problems	1	To be arranged		RadS	Consent of department Mr Mofield
375N-1 to 4	Production Problems	1	To be arranged		RadS	Consent of department Mr Mofield
394-5	Television Station Management	1	1:00-1:50	MTuWThF	TVS	Consent of department Mr Kurtz

RECREATION and OUTDOOR EDUCATION (REC)

100-3	Orientation to Parks and Recreation	1	To be arranged		LG	staff
201-4	Introduction to Recreation Leadership	1	9:00-9:50	MTuWTh	Stadium 101	Mr O'Brien
220-4	Leadership in Outdoor Recreation	1	To be arranged		LG	staff
230-4	Recreational Arts and Crafts					

RECREATION AND OUTDOOR EDUCATION (REC) / 75

Course No. & Hours	—	Descriptive Title Summer	Title Time	Days	Bldg & Room	Prerequisite Instructor
	1	To be arranged			LG	staff
301-4		Programs in School Camping and Outdoor Education				
	1	8:00-8:50	MTuWTh		Stadium 101	Mr Rillo
305-4		Maintenance of Recreational Areas				
	1	11:00-11:50	MTuWTh		Stadium 101	staff
310-3		Social Recreation				
	1	10:00-10:50	MTuWTh		Stadium 101	staff
311-2 to 6		Camp Leadership				201
	1	To be arranged			LG	staff
312-2		Playground Leadership (June 10-13)				
	1	To be arranged			LG	Mr Ridinger
312-2 to 6		Playground Leadership				201
	2	To be arranged				Mr Franklin
314-2 to 6		Institutional Recreation Leadership				201
	1	To be arranged				Mrs Bender
315-4		Recreational Dramatics				
	1	1:00-1:50	MTuWTh		Stadium 101	Mr Taylor
368-4		Camping Administration				
	1	To be arranged			LG	staff
450-4		Principles and Interpretations of Recreation				
	1	† 7:30-8:45	MTuWTh		Stadium 102	Mr O'Brien
480-4		Techniques in Camping				
	1	† To be arranged			LG	staff
510-4		School Camping and Outdoor Education Workshop				
	1	† 8:55-10:10	MTuWTh		Stadium 102	staff
540-4		Recreation Surveys and Planning of Facilities				
	1	† 10:20-11:35	MTuWTh		Stadium 102	staff
550-2 to 6		Field Problems in Community Recreation				
	1	† 1:10-2:25	MTuWTh		Stadium 102	Mr Ridinger
	2	1:00-1:50	MTuWTh		Stadium 102	Mr Ridinger

REHABILITATION INSTITUTE

Students interested in graduate work in rehabilitation counseling should consult Mr. Guy A. Renzaglia, Director, Rehabilitation Institute.

RELIGION (REL)

337-3		The Teachings of Jesus				
	1	9:00-9:50	M	W	F	R1
						Mr Queen
354-3		Christian Principles for Teachers				
	1	8:00-8:50	M	W	F	R1
						Mr Hall

RUSSIAN STUDIES

Students interested in a minor in Russian studies should consult Mr. E. K. Kamarasy, Department of Government, academic adviser for the program.

SECONDARY EDUCATION (S ED)

310-4		History and Principles of Secondary Education				Guid 305
	1	8:00-8:50	MTuWTh		Wham 201	Mr Smith
						and Mr Samford
	2	10:00-10:50	MTuWTh		Wham 201	Mr Fligor
						and Mr Samford
315-3		High School Methods				
	1	8:00-8:50	M	W	F	Wham 317
						Mr Dykhous

† June 15-August 6

Course No. & Hours	Descriptive Title	Days	Bldg & Room	Prerequisite Instructor
	1 † 7:40–12:25 2:00–5:05	MTuWThF MTuWThF	Wh 1 Wh 1	Mr Liedloff Mr Liedloff
550-4	Core Curriculum in Secondary School			
	1 † 7:30–8:45	TuWThF	Wham 303	Mr Fligor
564-4	High School Principalship			
	1 † 1:10–2:25	MTuWTh	Wham 328	Mr Mees
575a-4	Individual Research (Curriculum)			
	1 To be arranged			Mr Smith
575b-4	Individual Research (Supervision)			
	1 To be arranged			Mr Smith
575c-4	Individual Research (Language Arts)			
	1 To be arranged			Mr Smith
575d-4	Individual Research (Science)			
	1 To be arranged			Mr Smith
575e-4	Individual Research (Reading)			
	1 To be arranged			Mr Smith
575f-4	Individual Research (Social Studies)			
	1 To be arranged			Mr Smith
575g-4	Individual Research (Secondary Education)			
	1 To be arranged			Mr Smith
596-5 to 9	Independent Investigation			
	1 To be arranged			Mr Samford
597-1 to 3	Thesis			
	1 To be arranged			Mr Samford
598-1 to 3	Thesis			
	1 To be arranged			Mr Samford
599-1 to 3	Thesis			
	1 To be arranged			Mr Samford
600-1 to 14	Dissertation			
	1 To be arranged			Mr Samford

¹ Cross-listed with Elementary Education, ² Cross-listed with Economics, ³ Cross-listed with Foreign Languages, ⁴ Cross-listed with Industrial Education

SECRETARIAL and BUSINESS EDUCATION (SEC)

201a-3	Typewriting				
	1	9:00–9:50	M WThF	T32 R103	Mr Buboltz
201b-3					201a
	1	9:00–9:50	M WThF	T32 R103	Mr Buboltz
201c-3					201b
	1	8:00–8:50	MTu ThF	T32 R103	Miss DuFrain
221c-4	Shorthand				221b
	1	12:00–12:50	MTuWTh	T32 R103	Mr Rahe
241-1	Duplicating				201a
	1	1:00–2:50	W	T32 R112	Mr Rahe
304-3	Advanced Typewriting				201c
	1	8:00–8:50	MTu ThF	T32 R103	Miss DuFrain
324a-4	Advanced Shorthand and Transcription				221c
	1	12:00–12:50	MTuWTh	T32 R103	Mr Rahe
341-4	Office Calculating Machines				
	1	11:00–11:50	TuWThF	T32 R104	Miss DuFrain
404-3	Teaching Shorthand and Transcription				324a
	1	10:00–10:50	MTu Th	T32 R103	Mr Rahe
405-3	Teaching General Business Subjects				
	1	8:00–8:50	M W F	T32 R104	Mr Buboltz
505-4	Workshop in Business Education				Consent of department
	1	9:00–9:50	MTu ThF	T32 R112	Miss DuFrain

† June 15–August 6

Course No. & Hours — Descriptive Title Days Bldg & Room Prerequisite
Summer Time Instructor

SMALL BUSINESS INSTITUTE

Students interested in a program of studies in small business management should consult Mr. Ralph Bedwell, Director, Small Business Institute.

SOCIOLOGY (SOC)

102-5	Social Problems	1	8:00-8:50	MTuWThF	Wham 302	Mr Petroff
GSB 321-3 ¹	Socialization of the Individual	1	10:00-10:50	Tu	HEc 118	Mr Schmitt
			10:00-10:50	W	HEc 102	Mr Schmitt
			10:00-10:50	Th	HEc 301	Mr Schmitt
333-4	Community Organization	1	8:00-8:50	MTuWTh	Wham 305	Mr Petroff
340-4	The Family	1	9:00-9:50	TuWThF	Wham 305	Miss Snyder
GSB 341-3 ¹	Marriage	1	8:00-8:50	Tu Th	Wham 317	Miss Snyder
			8:00-8:50	W	Wham 202	Miss Snyder
373-4	Juvenile Delinquency	1	10:00-10:50	MTuWTh	Wham 305	Mr Petroff
380-4	Introduction to Social Work	1	9:00-9:50	MTu ThF	Wham 303	Mr Eades
400-2	Current Sociology	1	11:00-12:40	Th	Wham 308	Mr Campisi
489a-3	The American Correctional System	1	To be arranged			Consent of instructor Mr Hartung
489b-4	Probation, Classification and Parole	1	To be arranged			Consent of instructor Mr Vander Wiel
489d-3	Problems in Correctional Research	1	To be arranged			Consent of instructor Mr Frank
489e-2 to 4	Independent Study in Corrections	1	To be arranged			Consent of instructor staff
521-4	Seminar in Social Psychology	1	To be arranged			Consent of department Mr Campisi
526-4	Quantitative Methods in Sociology I	1	To be arranged			Consent of instructor Mr Schmitt
583-4 to 12	Supervised Field Work in Corrections	1	To be arranged			Consent of instructor Mr Vander Wiel
591-2 to 6	Individual Research	1	To be arranged			Consent of department staff
596-2 to 6	Readings in Sociology	1	To be arranged			Consent of department staff
599-2 to 9	Thesis	1	To be arranged			Consent of department staff
600-1 to 18	Dissertation	1	To be arranged			Consent of department staff

¹ General Studies Area B courses which are listed for the convenience of sociology students

SPECIAL EDUCATION (SP E)

410-4	Problems and Characteristics of the Mentally Retarded	1	† 7:30-8:45	MTuWTh	Wham 328	Mr Rainey
413-4	Directed Observation of Exceptional Children	1	† 8:55-11:35	M W	Wham 301A	Mr Rainey
414-4	The Exceptional Child	1	† 11:45-1:00	MTuWTh	Wham 210	Mr Jordan

Course No. & Hours	Descriptive Title Summer	Time	Days	Bldg & Room	Prerequisite Instructor
	2	† To be arranged		LG	Mrs Stull
418-4	Workshop in Special Education The Gifted Child (June 29-July 24)				
	1	† 8:00-3:00	MTuWThF	Wham 112	Mr Kolstoe
	The Secondary Gifted Child (August 3-14)				
	T2	† To be arranged			Mr Kolstoe
419-4 ¹	Communication Problems for the Deaf and Hard of Hearing				
	1	† 10:00-11:50	MTuWThF	LG	Mr Brutton
420-4	Methods and Materials for Teaching Exceptional Children				
	1	† 7:30-8:45	MTuWTh	USch 105	Mr Rainey
428-4 ¹	Speech Correction for Classroom Teacher				
	1	† 1:10-2:25	MTu ThF	Wham 203	staff
501-4	Special Research Problem				
	1	† To be arranged			staff
513-4	Organization and Administration of Special Classes				
	1	† 10:20-11:35	MTuWTh	Wham 231	Mr Kolstoe
577-4	Practicum in Special Education				
	1	† 7:30-12:00	MTuWTh	USch	Miss McKay
596-4	Independent Investigation				
	1	† To be arranged			staff
599-5 to 9	Thesis				
	1	† To be arranged			staff

¹ Cross-listed with Speech Correction

SPEECH (SPCH)

201-2	Parliamentary Law				
	1	10:00-10:50	W F	P 111	Mr Talley
202-3	Principles of Discussion				GSD 103
	1	1:00-1:50	MTu Th	T38 R102	Mr Potter
407b-4	American Public Address				
	1	1:00-1:50	MTuWTh	T38 R103	Mr Bradley
408-4	Psychology of Speech				
	1	2:00-2:50	MTu ThF	T38 R102	Mr Breniman
427-4	Secondary School Forensic Program				
	1	11:00-11:50	MTuW F	T38 R102	Mr Breniman
500-4	Survey of Classical Rhetoric				
	1	2:00-2:50	MTuWTh	T38 R103	Mr Micken
508-4	Seminar: Studies in Discussion				
	1	10:00-10:50	TuWThF	T38 R103	Mr Potter
532-4	Areas and Techniques of Research in Speech				
	1	8:00-8:50	MTuWTh	T38 R102	Mr Bradley
530-1 to 4	Research Problems in Speech				
	1	To be arranged			Mr Micken
599-2 to 9	Thesis				
	1	To be arranged			staff
600-1 to 12	Dissertation				
	1	To be arranged			staff

SPEECH CORRECTION (SP C)

104-4	Training the Speaking Voice				
	1	3:00-3:50	MTu ThF	Wham 329	Mr Smith
400-1 to 4	Individual Study in Speech Correction and Audiology				Junior standing
	1	† To be arranged		T61	staff
405c-4	Practicum in Speech and Hearing Therapy				Junior standing
	1	† To be arranged		T61	staff

† June 15-August 6

Course No. & Hours	Descriptive Title	Summer	Time	Days	Bldg & Room	Prerequisite	Instructor
406-4	Techniques and Interpretation of Hearing Tests	1	1:00-1:50	MTu ThF	T61	Junior standing	Mr Atkinson
409-4	Research Techniques in Speech Science	1	9:00-9:50	MTu ThF	T61	Junior standing	Mr Hoshiko
412-4	Cerebral Palsy	1	† 10:00-12:00	MTuWThF	LG	Junior standing	Mr Anderson
416-4	Hearing	1	8:00-8:50	MTu ThF	T61		Mr Atkinson
419-4 ¹	Communication Problems of Deaf and Hard of Hearing	1	† 10:00-12:00	MTuWThF	LG		Mr Brutten
428-4 ¹	Speech Correction for the Classroom Teacher	1	† 1:10-2:25	MTu ThF	Wham 203	Junior standing	staff
515-4	Readings in Speech Pathology (Voice Problems)	1	2:30-4:30	M Th	T61		Mr Brackett
522d-4	Seminar in Organic Speech Problems: Cleft Palate	1	† 10:00-12:00	MTuWThF	LG	Consent of instructor	Mr Koepp-Baker
530-1 to 4	Research Problems in Speech Pathology and Audiology	1	To be arranged		T61	Consent of instructor	Mr Brutten
534-1 to 4	Seminar in Instrumentation	1	1:00-2:50	Tu F	T61	Consent of instructor	Mr Hoshiko
599-2 to 9	Thesis	1	To be arranged		T61		staff
600-4 to 12	Dissertation	1	To be arranged		T61		staff

¹ Cross-listed with Special Education

TECHNOLOGY (TECH)

300a-3	Applications of Fundamental Physical Principles	1	8:00-8:50	M W F	Ag 146		Mr Dunning
300b-3		1	9:00-9:50	M	LS G16		Mr Dunning
			9:00-9:50	W	Ag 148		Mr Dunning
			9:00-9:50	F	Ag 146		Mr Dunning
599-1 to 9	Thesis	1	To be arranged			Consent of graduate adviser	staff

THEATER (THEA)

208-1 to 3	Dramatic Activities	1	To be arranged		T36		Mr Zoeckler
308-1 to 3	Dramatic Activities	1	To be arranged		T36		Mr Zoeckler
322-1 to 12	Practicum in Theater	1	8:30-10:00	MTuWThF	T36	Consent of department	staff
509-4	High School Theater and Its Production Problems	1	† 10:20-11:35	MTuWTh	Wham 331	Consent of department	Mr Zoeckler
519-1 to 12	Theater Practicum	1	8:30-10:00	MTuWThF	T36	Consent of department	staff
526-3	Seminar in Theater Arts	1	1:00-1:50	M W F	Wham 331		Mr Abrams
530-1 to 4	Research Problems in Theater	1	To be arranged				staff
599-2 to 9	Thesis	1	To be arranged				staff

TRANSPORTATION INSTITUTE

Students interested in this field should consult Mr. Alexander R. MacMillan, Director, Transportation Institute.

Course No. & Hours — Descriptive Title Days . . . Bldg & Room . . . Prerequisite
 Summer Time Instructor

ZOOLOGY (ZOO)

102-5	General Invertebrate Zoology	.....	GSA 201b
1	8:00-8:50	Tu Th	LS 205 Mr Davis
	8:00-8:50	M W F	LS 130 Mr Davis
2	8:00-8:50	Tu Th	LS 205 Mr Davis
	10:00-11:50	M W F	LS 130 Mr Summerfelt
322-2 to 5	Problems in Zoology	..... 4.25 avg, senior standing and consent of department	
1	To be arranged		staff
382a-½ to 1	Senior Zoology Seminar	.....	Major and minor in zoology
1	1:00-1:50	M	LS 205 staff
401-5	Genetics	..... 15 hrs biology, consent of instructor	
1	10:00-10:50	Tu Th	LS 208 Mr Englert
	10:00-11:50	M W F	LS 208 Mr Englert
402-4	Natural History of Invertebrates	.....	National Science Foundation; one year zoology including 102
1	† 2:35-3:50	M W	LS 205 Mr Wilhelm
	1:10-2:25	M W	LS 213 Mr Wilhelm
	2:35-3:50	Tu Th	LS 213 Mr Wilhelm
403-4	Natural History of Vertebrates	.....	Natural Science Foundation; one year zoology including 102
1	† 7:30-8:45	Tu Th	LS 204 Mr Gersbacher
	7:30-10:10	M W	LS 204 Mr Gersbacher
404-2 to 8	Zoology Field Studies	.....	Consent of instructor
1	To be arranged		staff
501-4	Animal Biology for High School Teachers of Biology	....	National Science Foundation; one year of biology
1	† 10:20-11:35	M W	LS 213 Mr Hendrickx
	8:55-11:35	Tu Th	LS 213 Mr Hendrickx
502-2 ¹	Recent Developments in Biological Sciences	.....	National Science Foundation
1	† 3:55-5:05	Tu	LS G16 staff
	1:10-2:25	W F	LS G16 staff
	10:20-11:35	F	LS G16 staff
579-4	Animal Behavior	.....	one year of biology
1	2:00-2:50	Tu Th	LS 204 Mr Schien
	1:00-4:50	F	LS 209 Mr Schien
581-3	Readings in Current Zoological Literature	.....
1	1:00-1:50	MTuW	LS 204 Mr Gersbacher
596-3 to 12	Special Research in Zoology	.....	one year biology
1	To be arranged		LS 204 staff
599-2 to 9	Master's Research and Thesis	.....	one year biology
1	To be arranged		LS 130 staff
600-3 to 12	Doctoral Research and Thesis	.....
1	To be arranged		staff

¹ Cross-listed with Botany

† June 15-August 6

Vocational-Technical Institute

Course No. & Hours — Descriptive Title Days . . . Bldg & Room . . . Prerequisite Instructor
Summer Time

GSA

101a-3	Introduction to Physical Science							
	A1	1:00-1:50	M	W	F	U-1		Mr Collins
	A2	2:00-2:50	M	W	F	U-1		Mr Collins

GSB

211b-3	Political Economy							
	A1	10:00-10:50	M	W	F	C-5		Mr Bietto
	A2	1:00-1:50	M	W	F	C-5		Mr Bietto

GSD

VTI G 100-0	English Composition: Grammar and Usage							
	1	1:00-1:50	M	W	F	C-0		Mrs Morris
101a-3	English Composition							
	A1	2:00-2:50	M	W	F	C-0		Mrs Morris
101b-3								
	A1	11:00-11:50	M	W	F	C-0		Mrs Morris
103-3	Oral Communication of Ideas							
	A1	2:00-2:50	MTuWTh			A-Vault 1		Mr Workun
VTI G 106-0	Elementary Mathematics							
	1	1:00-1:50	M	W	F	C-8		Mr Crenshaw
114c-3	College Algebra and Trigonometry							
	A1	11:00-11:50	M	W	F	C-8		Mr Crenshaw

VTI A

101a-5	Automotive Laboratory—Engines							
	1	8:00-10:50	MTuWThF			Bldg 2 AS		Mr Willey
125a-5	Automotive Theory—Internal Combustion Engines							
	1	11:00-11:50	MTuWThF			Bldg 2 Cl		Mr Willey

VTI B

101c-4	Accounting							101b-5
	1	9:00-9:50	MTuWThF			C-6		Mr Cundiff
126-3	Fundamentals of Business							
	1	3:00-3:50	M	W	F	C-7		Mr Johnston
130-4	Job Cost Accounting							
	1	3:00-3:50	MTuWThF			C-2		Mr Cundiff
226a-4	Business Law							
	1	8:00-8:50	MTuWTh			C-2		Mr Cundiff
229-2	Record Keeping							
	1	10:00-10:50	MTuWThF			C-6		Mr Vaughn
	2	2:00-2:50	MTuWThF			C-6		Mr Vaughn

Course No. & Hours — Descriptive Title Days Bldg & Room Prerequisite Instructor
Summer Time

VTI C

101d-9	Cosmetology Laboratory					101c-9
1	8:00-11:50	MTuWThF	C Lab 2	Mrs McVey		
2	9:00-12:50	MTuWThF	C Lab 1	Mrs Cassidy		
3	1:00-4:50	MTuW F	C Lab 1	Mrs Hedges		
	2:00-5:50	Th	C Lab 1	Mrs Hedges		
125d-5	Cosmetology Theory					
1	2:00-2:50	MTuWThF	Cos Cl	Mrs McVey		
2	8:00-8:50	MTuWThF	Cos Cl	Mrs Cassidy		
3	11:00-11:50	MTuWThF	Cos Cl	Mrs Hedges		

VTI D

101a-7	Graphics					
1	8:00-10:50	MTuWThF	T-1	Mr Beauchamp		
121a-4	Architectural Design					110-5
1	8:00-10:50	M W F	T-7	Mr Lougeay		
151-3	Materials and Methods of Construction					110-5
1	8:00-11:50	Tu Th	T-7	Mr Lougeay		
	11:00-11:50	W	T-7	Mr Lougeay		
153-4	Mechanics and Strength of Materials					GSD 114c
1	11:00-11:50	M W	T-6	Mr Lougeay		
	1:00-1:50	Tu Th	T-6	Mr Lougeay		

VTI E

104-3	Data Processing Applications					101b
1	11:00-11:50	M W F	DP Lab	Mr Bizzel		
107-2	Data Processing Information					101a
1	11:00-11:50	Tu Th	DP Clrm	Mr Bizzel		
206b-7	Programming Systems					206a-3
1	3:00-3:50	MTuWThF	P 111	Mr Robb		
207-3	Data Processing Field Project					206b-7
1	1:00-1:50	MTuWThF	Data Processing and Computing Center	Robb		

VTI F

101a-8	Woodworking—Machines					
1	8:00-11:50	M W F	Wd Cl	Mr Osborn		
	9:00-11:50	Tu Th	Wr Lab	Mr Osborn		

VTI G

100-0	English Composition: Grammar and Usage					
	(See VTI General Studies Area D for schedule)					
106-0	Elementary Mathematics					
	(See VTI General Studies Area D for schedule)					
107-3	Technical Mathematics					
1	2:00-2:50	M W F	C-8	Mr Crenshaw		
141-5	Introduction to Physiology					
1	9:00-9:50	MTuWThF	C-11	Dr Bushee		
115-3	Inorganic and Organic Chemistry					
1	10:00-11:50	M W F	C-11	Dr Bushee		

VTI J

101a-6	Printing Laboratory—Hand Platen					
1	9:00-11:50	MTuWThF	Bldg 2 PS	Mr Pollock		

Course No. & Hours — Descriptive Title Days . . . Bldg & Room . . . Prerequisite Instructor
Summer Time

125a-3	Printing Theory—Hand Platen								
	1	8:00–8:50	M	W	F		Bldg 2 Cl	Mr Pollock	
152-3	Proofreading								
	1	1:00–1:50	M	W	F		Bldg 2 Cl	Mr Pollock	

VTI K

101a-3	Calculating Machines								
	1	10:00–10:50	MTuWThF			C-9		Mr Johnston	
101b-3	Calculating Machines								101a
	1	1:00–1:50	MTuWThF			C-9		Mr Johnston	

VTI M

101a-5	Machine Tool Laboratory—Engine Lathe and Bench Work								
	1	9:00–11:50	MTuWThF			Bldg 1 MS	Mr Soderstrom		
125a-5	Machine Tool Theory—Engine Lathe and Bench Work								
	1	8:00–8:50	MTuWThF			Bldg 1 Cl	Mr Soderstrom		
201a-5	Machine Tool Laboratory—Milling Machines								101c
	1	9:00–11:50	MTuWThF			Bldg 1 MS	Mr Muhich		
225a-3	Machine Tool Theory—Milling Machines								125c
	1	8:00–8:50	M	W	F	T-6		Mr Muhich	

VTI N

140-10	Introductory Advertising and Story Illustration								130
	1	8:00–11:50	MTuWThF			K-1		Mr Boza	
210a-8	Advertising and Story Illustration Theory and Practice								140
	1	8:00–11:50	MTuWThF			K-1		Mr Boza	
210b-9									210a
	1	8:00–11:50	MTuWThF			K-1		Mr Boza	
210c-9									210b
	1	8:00–11:50	MTuWThF			K-1		Mr Boza	
230a-8	Technical Illustration Theory and Practice								210c
	1	8:00–11:50	MTuWThF			K-1		Mr Boza	
230b-9									230a
	1	8:00–11:50	MTuWThF			K-1		Mr Boza	
230c-9									230b
	1	8:00–11:50	MTuWThF			K-1		Mr Boza	

VTI P

101b-3	Nursing Theory and Practice								101a
	1	8:00–11:50	M	W	F	Hospital		Mrs Mitchell	
		8:00–8:50	Tu	Th		PN Lab		Mrs Christensen	
		10:00–11:50		Th		PN Lab		Mrs Mitchell	
		2:00–3:50		Th		PN Lab		Mrs Mitchell	
		1:00–3:50	M	W	F	Hospital		Mrs Mitchell	
103a-4	Clinical Theory and Practice								101b
	1	To be arranged				Hospital		staff	
		1:00–4:50	M	W	F	PN Lab		Mrs Chiodini	
		1:00–3:50	Tu	Th		PN Lab		Mrs Alcorn	
103c-8	Clinical Theory and Practice								103b
	1	To be arranged				Hospital		staff	
		1:00–4:50	M	W	F	PN Lab		Mrs Chiodini	
		1:00–3:50	Tu	Th		PN Lab		Mrs Alcorn	
132b-1	Health								132a
	1	9:00–10:50	Tu			PN Lab		Mrs Mitchell	

(Continued on next page)

Course No. & Hours	Descriptive Title	Days	Bldg & Room	Prerequisite Instructor
	9:00-9:50	Th	PN Lab	Mrs Mitchell
	11:00-11:50	Tu	PN Lab	Mrs Christensen
	1:00-3:50	Tu	PN Lab	Mrs Mitchell

VTI R

124-4	Introduction to Retailing				
1	9:00-9:50	MTuWThF	C-4		Mr Elder
176-3	Product Analysis				
1	8:00-8:50	M W F	C-4		Mr Elder
127a-3	Salesmanship				
1	10:00-10:50	M W F	C-4		Mr Elder
177a-5	Product Information Laboratory				176
1	1:00-2:50	MTuWThF	C-4		Mr Elder
201-8	Cooperative Work Experience				
1	To be arranged				Mrs Burnett
2	To be arranged				Mrs Burnett
201-4	Cooperative Work Experience				
3	To be arranged				Mr Moore
4	To be arranged				Mr Moore

VTI S

101c-3	Typewriting				101b
1	1:00-1:50	MTuWThF	C-10		Mr Johnston
107-2	Filing and Duplicating				
1	2:00-2:50	MTuWTh	C-10		Mr Tooley
104b-5	Shorthand				104a
1	2:00-2:50	MTuWThF	C-7		Miss Rocconi
105a-2	Transcription				104a
1	3:00-3:50	MTuWThF	C-10		Miss Rocconi
209a-5	Shorthand				104c
1	8:00-8:50	MTuWTh	C-7		Mrs Miriani
221a-2	Transcription				105b
1	10:00-10:50	MTuWTh	C-10		Mrs Miriani

VTI T

101c-7	Electronic Laboratory—Transmitter and Receivers				101b
1	8:00-10:50	MTuWThF	U-6		Mr Schultz
125c-5	Electronic Theory—Transmitter and Receivers				125b
1	1:00-1:50	MTuWThF	U-7		Mr Schultz

VTI W

101a-7	Welding Laboratory—Oxy-Acetylene				
1	8:00-10:50	MTuWThF	Weld Lab		Mr Dallman
125a-3	Welding Theory—Oxy-Acetylene				
1	11:00-11:50	M W F	Weld Cl		Mr Dallman

VTI Y

101c-9	Dental Prosthetics				101b
1	8:00-12:50	M	Dental Lab		Mr Bykowski
113-3	Science of Dental Materials				
1	1:00-1:50	M W F	C-11		Dr Webber
128-2	Oral Anatomy				
1	1:00-1:50	Tu Th	Amph		Dr Webber
132-4	Head and Neck Anatomy				
1	8:00-8:50	MTuWThF	C-11		Dr Webber

TENTATIVE CLASS SCHEDULE REQUEST

Name	Last	First	Middle	Record No.
------	------	-------	--------	------------

Quarter to which this applies: Fall; Winter; Spring; Summer; Year 19

Academic Unit; Major; Minor
College, School, or G.S.

Planning to Teach: No; Elementary; Secondary Academic Standing: Good; On scholastic probation

Anticipated number of hours I will be employed:; On Campus; Off Campus

Activities:

On basis of my employment, academic standing, activities, and ability, I feel my maximum academic load should be hours.

My outline of General Studies courses completed is up to date: Yes; No; (or General Education courses for those graduating under "old" requirements; Yes; No)

I have a long range plan completed showing courses I will need to take for the next three quarters: Yes; No

[illegible]

Please prepare a tentative program on this form to be presented to your adviser at the time of your appointment.



Southern Illinois University Foundation

The Southern Illinois University Foundation is a nonprofit corporation chartered by the state and authorized by the Board of Trustees to receive gifts for the benefit of the University, to buy and sell property, and otherwise to serve the University.

It respectfully asks alumni and other citizens of Southern Illinois to consider making gifts and bequests to benefit the University. Such gifts should be conveyed to the Foundation, with proper stipulation as to their uses. The Foundation, through its officers and members, will be glad to confer with intending donors regarding suitable clauses to insert in wills and suitable forms of gifts and memorials, including bequests by means of life insurance. Large or small gifts to the library will be appreciated; likewise, gifts for special equipment, buildings, endowment of professorships in particular subjects, gifts to student loan funds and scholarship funds, gifts for the use of foreign students, and endowments for particular sorts of research. Any gifts or bequests can be given suitable memorial names.

The staff members of the Foundation are

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Southern Illinois University

Bulletin



Department of Nursing

1964 - 65

Department of Nursing

Announcements for 1964-1965



SOUTHERN ILLINOIS UNIVERSITY BULLETIN
Volume 6 Number 6 May 1, 1964
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The following issues of the *Southern Illinois University Bulletin* may be obtained without charge from Central Publications, Southern Illinois University, Carbondale, Illinois 62903.

General Information
General Studies and AF ROTC
Financial Assistance
Summer Session (Carbondale)
Summer Session (Edwardsville)
Schedule of Classes (Carbondale)
Schedule of Classes (Edwardsville)
Divisional Announcements (Edwardsville)
Graduate School
College of Education
College of Liberal Arts and Sciences
School of Agriculture
School of Business
School of Communications
School of Fine Arts
School of Home Economics
School of Technology
Division of Technical and Adult Education
Department of Nursing

All intending students should have the General Information bulletin (issued once a year), plus the special bulletins of the various educational units in which they are most interested.

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This Bulletin

covers in detail questions concerning the Department of Nursing. To obtain complete information about Southern Illinois University and its various academic units, please refer to page ii of this bulletin for a list of the separate issues of the University's catalog.

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Department of Nursing

SOUTHERN ILLINOIS UNIVERSITY was established in 1869 as Southern Illinois Normal University. The shortened name became official in 1947 by action of the state legislature. The University now operates two major campuses, located at Carbondale and Edwardsville.

The Department of Nursing was established by the Board of Trustees in 1953 as an autonomous unit in the university's educational structure. It was formally activated in 1955. The first program, which was considered supplementary, was offered to registered nurses in the spring of 1956. The first class of students in the basic generic program was admitted in the fall of 1957. During the early years small hospitals in and near Carbondale were utilized for clinical experience; in addition, certain facilities not available near the University were provided by the University of Illinois, Chicago, Illinois, where students were transferred for one academic year.

In July, 1963, the Board of Trustees approved moving the Department of Nursing to the Edwardsville Campus. At present the first six quarters may be taken at either Carbondale or East St. Louis. The remainder of the work must be taken at East St. Louis.

During the fall of 1963 a study and revision of the curriculum were made which resulted in combining the supplemental courses for registered nurses and the generic areas of study for students who wished to become registered nurses into one baccalaureate degree program.

PHILOSOPHY

The Department of Nursing has as its controlling ideal the education of students in a broad understanding of their cultural heritage; the appreciation of spiritual, aesthetic, and moral values in personal, civic, and professional living; the cultivation of critical and constructive thinking related to general as well as health needs of all individuals and to local, national, and international problems.

To accomplish these aims the curriculum must (1) be based on a broad foundation of liberal arts, (2) emphasize the importance of prevention of illness as well as its curative requirements, (3) give understanding of the physical, mental, emotional, and social aspects of health and illness and their interrelatedness, (4) help each student develop the ability and desire to give the best possible nursing care to society, and (5) serve as a foundation and stimulus for graduate study.

OBJECTIVES

To help each student develop the ability to

1. Understand the implication of the interaction of individuals and society.
2. Understand
 - a. one's self as a basis for personal growth and an understanding of others
 - b. the average or normal person before attempting to understand the ill person
 - c. behavior in relation to the age and development of the individual
 - d. the individual from conception, through infancy, childhood, adolescence, adulthood, and old age in relation to (1) heredity, (2) the family and community, (3) physical, mental, and social health and illness.
3. Respect the religious beliefs of individuals and realize their influences in health and illness.
4. Be a health teacher on a beginning level; knowing who, why, when, where, what, and how to teach.
5. Evolve a positive, constructive philosophy of life which is manifested in active participation as a citizen in a democratic society.
6. Become a good nurse. In order to do this, one must observe good nursing and practice it under supervision, so as to be able to apply in clinical situations the subject matter presented in the classroom. During all clinical experience, class work and practice must be co-ordinated so that each student nurse may attain the knowledge, judgment, and high degree of skill needed to
 - a. observe symptoms and subtle indications of change in the patient's condition
 - b. apply principles of physical, social, and mental nursing care
 - c. teach care and prevention of illness to patients, families, and community groups
 - d. realize the significance of health needs and trends
 - e. take part in nursing and medical research
 - f. meet personal and professional obligations as a citizen.

FACULTY

Professors Virginia H. Harrison, Margaret T. Shay (Chairman). *Associate Professor* Mable G. Burton. *Assistant Professors* Carmin Jimison, Mary Lenny, Mary Joyce Parker. *Instructor* Bernice R. Zich.

All members of the faculty are registered professional nurses (R.N.) and hold academic degrees.

CO-OPERATING HEALTH AGENCIES

Several hospitals, public health facilities, day care centers, public schools, and other agencies in the vicinity of the East St. Louis Center provide clinical experience for student nurses.

PROGRAM OF INSTRUCTION

The Bachelor of Science degree program in nursing is designed for students who wish to become registered nurses and for registered nurses, graduates of diploma or associate degree programs, who wish (1) to strengthen their scientific basis for nursing practice, (2) to broaden and deepen their general educational and cultural background, and (3) to obtain a baccalaureate degree to qualify for further study on the graduate level.

The Department of Nursing is approved by the Illinois Department of Registration and Education.

Complete details concerning admission, tuition, fees, housing, degree requirements, and student employment are given in the General Information bulletin. For a free copy write to Central Publications, Southern Illinois University, Carbondale, Illinois 62903.

ADMISSION

Inquiries concerning admission to Southern Illinois University should be directed to the Admissions Office at Carbondale or Edwardsville, de-

pending on which campus the student plans to attend. Applications for admission are accepted any time during the calendar year. Applications should be initiated at least thirty days in advance of the desired entrance date to permit the necessary work of processing to be completed.

The purpose of the Department of Nursing is to admit and assist men and women with academic and professional potentialities; to develop their aptitudes in order that they may obtain the ability to give the best possible nursing service to humanity, and at the same time achieve an optimum of self-realization and continuous professional growth.

Applicants must meet all requirements for admission to the University. When they become students they are subject to all of the University's rules and regulations.

There are no restrictions regarding age, marital status, race, color, or creed to admission of applicants. Students are evaluated on the basis of mental and physical health, personality and character traits, academic achievement, and progress toward professional maturity.

To be admitted to nursing, students must have achieved an over-all C average. An average of C is required in all nursing and professionally related courses.

Any student who, in the judgment of the faculty, does not appear to warrant promotion will be advised to withdraw from the program and to seek success in another field or in another type of nursing program.

A registered nurse who wishes to enter the program must meet all requirements for admission to the University and, in addition, must: (1) be a graduate of a state-approved school of nursing, (2) be a registered nurse currently licensed to practice, (3) show satisfactory placement on Graduate Nurse Examinations (Advanced credit will be allowed.), (4) arrange for a personal interview with a faculty adviser in the Department of Nursing, and (5) submit transcripts of all academic and professional education beyond elementary school.

ADVISEMENT

After a student has been admitted to the University he should talk with an adviser about his educational plans and complete his registration for the quarter he expects to enter Southern.

To insure that an undergraduate student is properly advised concerning the choice of a course of study which will fulfill the requirements of the University and prepare him for his chosen career, academic advisement has been made the special responsibility of a selected group from the teaching faculty. During his first two years he will receive prime advice from an adviser responsible to the executive officer for General Studies on the

Carbondale Campus or to the chief academic adviser at the Alton or East St. Louis center. If he chooses to declare a special field of interest then, his General Studies adviser will refer him to someone representing his special field of interest for secondary advice; but formal admission to a specific field will be deferred until the quarter before he reaches junior standing. After admission to some special field, he will receive prime advice from a representative of that field.

A nursing student should early in his college experience become acquainted with and seek advice from the chairman of the Department of Nursing or a designated faculty member.

FEES AND OTHER EXPENSES

At the present time legal residents of Illinois registered for more than eight hours pay a total of \$61.50 per quarter. This includes \$42.00 tuition, a \$5.00 book rental fee, a \$5.00 student union building fund fee, and a \$9.50 student activity fee. Out-of-state students pay an additional \$50.00 tuition, or a total of \$111.50. Students registered for eight hours or fewer pay one-half tuition, one-half book rental fee, and full student union building fund fee; they have the option of paying the student activity fee.

In addition the following information applies especially to nursing students:

During the last quarter of pre-clinical study, students must purchase uniforms. The approximate cost is \$55 at present.

Students may live at home, with relatives, in university residence halls, or in approved off-campus housing. In East St. Louis, housing is available in the Beulah Residence, 460 North Ninth Street. Room and fourteen meals per week cost from \$14 to \$20.

In St. Louis, housing is provided in the Barnes Hospital Nurses' Residence. Double rooms cost \$30 per month; meals may be obtained in one of the several cafeterias in the Medical Center or in nearby restaurants.

Students are expected to pay their own travel expenses to and from hospitals and public health agencies. They must also provide dark sweaters, dark skirts, and tailored white blouses for the public health experience. They may have their own cars in East St. Louis.

FINANCIAL ASSISTANCE

Students in nursing are eligible for Southern Illinois University Scholarship and Activity Awards, application procedures for which are described in the General Information bulletin.

Through the generosity of several donors, scholarships and prizes are given to outstanding students. They are paid directly to the students selected by the faculty on the basis of academic achievement, potential for professional nursing, leadership, and financial need.

The Illinois Department of Mental Health educational grants in nursing are available to students who are accepted by the department and recommended by the chairman or by the co-ordinator. Providing tuition, fees, cost of uniforms, and a monthly stipend, these may be used by students in the basic program for four academic years or a total of not more than thirty-six months. Registered nurses may also apply for grant aid from this source. Information may be obtained from the Department of Mental Health, 401 South Spring Street, Springfield, Illinois 62700, or from the Department of Nursing, Southern Illinois University, East St. Louis, Illinois 62201, or Carbondale, Illinois 62903.

A small-loan fund has been established on the Carbondale Campus in memory of Barbara Teske. The fund is administered through the Co-ordinator of Pre-Clinical Nursing. Loans are usually of a short-term nature, and no interest is charged. Students may also apply for loans from the University at a low rate of interest.

A limited number of United States Public Health Service grants providing tuition, fees, dependency allowance, and monthly stipends are available to registered nurses in their senior year of full-time study. Applicants must have had experience in administration, teaching, or supervision, or be definitely committed to such a position. No undergraduate student may receive more than twelve months of governmental assistance under this plan. For further information, or for application blanks, address the Department of Nursing, Southern Illinois University, East St. Louis, Illinois 62201.

REQUIREMENTS FOR THE BACHELOR'S DEGREE

Each candidate for the degree must complete a minimum of 192 hours of credit in approved courses. At least 64 must be in senior college courses, of which 48 must be earned at Southern, 16 of which may be earned in extension from Southern. Each student must have a C average, and grades not lower than C in subjects aggregating at least three-fourths of the work. A C average is required in the major subject. These averages are required for the credit made at Southern as well as for the total record.

The *quarter hour* is the unit of credit used at Southern and throughout this bulletin. One quarter hour is two-thirds of a semester hour.

Every bachelor's degree candidate is expected to meet the University's

general requirements and to follow the recommendations of the academic unit in which he intends to do his major work.

For a complete statement of the University's general requirements for a bachelor's degree, please refer to the section headed "Degrees" in the General Information issue of the *Southern Illinois University Bulletin* and to the General Studies issue. The General Studies program is outlined below.

OUTLINE OF GENERAL STUDIES REQUIREMENTS

Area A: Man's Physical Environment and Biological Inheritance.....	24 hours
A first-level basic sequence	9 hours
A second-level continuation sequence	9 hours
Third-level advanced courses	6 hours
Area B: Man's Social Inheritance and Social Responsibilities.....	24 hours
A first-level basic sequence	9 hours
A second-level continuation sequence	9 hours
Third-level advanced courses	6 hours
Area C: Man's Insights and Appreciations	24 hours
A first-level basic sequence	9 hours
A second-level continuation sequence	9 hours
Third-level advanced courses	6 hours
Area D: Organization and Communication of Ideas	18 hours
Required college composition and speech	9 hours
Either a foreign language or a basic mathematics sequence	9 hours
Area E: Health and Physical Development	6 hours
First-level required physical education	3 hours
Second-level required health education	3 hours
Total	96 hours
If a General Studies sequence is waived, the total is only 87 hours.	

NURSING SUBJECTS

The courses in nursing are approached from the problem-solving point of view. The normal emotional, mental, physical, and social development of human beings from birth through old age is considered, and variations in behavior accompanying illness are studied. Comprehensive health plans and care emerge from applications of knowledge and skill gained from the natural, biological, and social sciences. The student is introduced to the health team concept, first as a student member, later as a leader in the nurse team, and then as a participant in the intraprofessional health planning for care and rehabilitation of individuals and groups in society.

SUGGESTED CURRICULUM

BACHELOR OF SCIENCE DEGREE, DEPARTMENT OF NURSING

<i>General Studies Requirements</i> (See page 7.)	87
<i>Requirements for the Concentration in Nursing</i>	105
Chemistry 101-2 or 240-4	2-4
Health Education 355	4
Nursing 101-3, 210-2 or F & N 103-4, 301-8, 302-8, 303-3, 325-8, 355-4, 363-29, 375-8, 384-2	75
Physiology 209	5
Psychology 301	4
Sociology 340	4
Other courses specified in the quarterly arrangement below	13-15
<i>Total</i>	192

A suggested arrangement of the curriculum by year and quarter follows. This arrangement is intended as a guide only and should be varied to meet individual backgrounds and needs. However, the courses listed during the first six quarters should be completed during that time. This arrangement is based on the assumption that the student has obtained a waiver for a first-level General Studies sequence in Area B, but, if the waiver is in another area, adjustments are subject to consultation with the adviser.

The two curricula for the first six quarters are equivalent; therefore, students are able to transfer between campuses without penalty or loss of credit and time.

CARBONDALE

EDWARDSVILLE

FALL, FIRST YEAR	16 HOURS	FALL, FIRST YEAR	16 HOURS
Introduction to Physical Science	GSA 101a 3	Introduction to Physical Science	GSA 101a 3
Culture, Society, Behavior	GSB 201a 3	Culture, Society, Behavior	GSB 201a 3
Music Understanding or Art Appreciation	GSC 100 or 101 3	Music Understanding or Art Appreciation	GSC 100 or 101 3
English Composition	GSD 101a 3	English Composition	GSD 101a 3
Mathematics or Foreign Language	GSD 3	Mathematics or Foreign Language	GSD 3
Orientation to Nursing	Nurs 101a 1	Orientation to Nursing	Nurs 101a 1
WINTER, FIRST YEAR	17 HOURS	WINTER, FIRST YEAR	16 HOURS
Introduction to Physical Science	GSA 101b 3	Introduction to Physical Science	GSA 101b 3
Chemistry Laboratory	Chem 101b 1		
Culture, Society, Behavior	GSB 201c 3	Culture, Society, Behavior	GSB 201b 3

CARBONDALE

WINTER, FIRST YEAR (Continued)

Masterpieces of Literature	GSC 103 3
English Composition	GSD 101b 3
Mathematics or Foreign Language	GSD 3
Orientation to Nursing	Nurs 101b 1

SPRING, FIRST YEAR 16 HOURS

Introduction to Physical Science	GSA 101c 3
Chemistry Laboratory	Chem 101c 1
Human Anatomy	Phsl 300 4
Nutrition	F&N 103 4
Mathematics or Foreign Language	GSD 3
Orientation to Nursing	Nurs 101c 1

SUMMER, FIRST YEAR 15 HOURS

Man's Biological Inheritance	GSA 201a 3
Principles of Physiology	GSA 301 4
Culture, Society, Behavior	GSB 201b 3
Problems of Moral Decision	GSC 102 3
Physical Education	GSE PE 2

FALL, SECOND YEAR 16 HOURS

Man's Biological Inheritance	GSA 201b 3
Logic and Meaning	GSC 208 3
Poetry, Theater, or Modern Literature	GSC 202, 203, or 209 3
Religious Foundations of Western Civilization	GSC 310 3
Oral Communication of Ideas	GSD 103 3
Physical Education	GSE PE 1

WINTER, SECOND YEAR 15 HOURS

Man's Biological Inheritance	GSA 201c 3
Art, Design, or Music	GSC 204, 205, or 206 3
The Family	Soc 340 4
Microbiology	Micr 301 5

EDWARDSVILLE

WINTER, FIRST YEAR (Continued)

Logic	GSC 152 3
English Composition	GSD 101b 3
Mathematics or Foreign Language	GSD 3
Orientation to Nursing	Nurs 101b 1

SPRING, FIRST YEAR 16 HOURS

Introduction to Physical Science	GSA 101c 3
Culture, Society, Behavior	GSB 201c 3
Introduction to Poetry	GSC 151 3
Oral Communication of Ideas	GSD 103 3
Mathematics or Foreign Language	GSD 3
Orientation to Nursing	Nurs 101c 1

SUMMER, FIRST YEAR 12 HOURS

Man's Biological Inheritance	GSA 201a 3
Organic Chemistry	Chem 240 4
Literary and Philosophical Masterpieces	GSC 251a 3
Physical Education	GSE PE 2

FALL, SECOND YEAR 16 HOURS

Man's Biological Inheritance	GSA 201b 3
Literary and Philosophical Masterpieces	GSC 251b 3
World Religions	Phil 302 4
General Bacteriology	Bot 311 5
Physical Education	GSE PE 1

WINTER, SECOND YEAR 16 HOURS

Man's Biological Inheritance	GSA 201c 3
Literary and Philosophical Masterpieces	GSC 251c 3
Human Anatomy	Phsl 300 4
The Family	Soc 340 4
Normal Nutrition	Nurs 210 2

EDWARDSVILLE CAMPUS, EAST ST. LOUIS CENTER

SEVENTH THROUGH THIRTEENTH QUARTERS

Third-level General Studies courses in Areas A, B, and C	14-18	Pediatric Nursing	Nurs 302 8
Healthful Living	GSE 201 3	Medical-Surgical Nursing	Nurs 363a 9
Introduction to Physiology	Phsl 209 5	Psychiatric Nursing	Nurs 325 8
Introduction to Public Health	HEd 355 4	Backgrounds and Trends in Nursing	Nurs 355 4
Child Psychology	Psyc 301 4	Public Health Nursing	Nurs 375 8
Experience with Children	Nurs 303 3	Medical-Surgical Nursing	Nurs 363b,c 20
Obstetric Nursing	Nurs 301 8	Senior Seminar	Nurs 384 2

COURSE DESCRIPTIONS

- 101-3 (1,1,1) **ORIENTATION TO NURSING.** An orientation to the philosophy and functions of nursing in contemporary society. Field trips to various health agencies.
- 210-2 **NORMAL NUTRITION.** This is a non-laboratory course in which principles of normal nutrition are studied. The ability to use diet variations with people of different cultural backgrounds and economic levels is stressed.

Courses on the 300 level are open only to students concentrating in nursing.

- 301-8 **OBSTETRIC NURSING.** Study of the principles of nursing care of mother and baby throughout the maternity cycle. Supervised experience and clinical conferences correlated with theory.
- 302-8 **PEDIATRIC NURSING.** Study of principles of nursing care of children during illness. Supervised experience and clinical conferences correlated with theory.
- 303-3 **EXPERIENCE WITH CHILDREN.** Given concurrently with Child Psychology. Observation and study of the behavioral development of young children. Day care centers, schools, and other health agencies are used as settings for the educational experiences.
- 325-8 **PSYCHIATRIC NURSING.** Emphasis on the nurse-patient relationship, leading to development of interpersonal skills which result in the nurse's ability to observe and interpret behavior, to communicate with others, and to understand the significance of such abilities in a broad social context. Supervised experiences and clinical conferences correlated with theory.
- 355-4 **BACKGROUNDS AND TRENDS IN NURSING.** A study of nursing at the present time in relation to historical and other influences upon it. The implications for its future developments are considered.
- 363-29 (9,6,14) **MEDICAL-SURGICAL NURSING.** (1) Investigations of the scientific basis of health and physical, emotional, mental, and social deviations caused by illness. Learning experiences are based on the scientific knowledge obtained in related and correlated subjects. Emphasis upon the health needs of individuals and society, co-operative endeavors with members of the health team, and the professional nurse's unique contribution in terms of preventive, therapeutic, and rehabilitative care. (2) Supervised experience and correlated conferences in the care of individuals with medical and surgical conditions.
- 375-8 **PUBLIC HEALTH NURSING.** Objectives, principles, and practices in public health nursing, application of nursing science and art are related to family and community living. Supervised experience in a public health agency conducting a generalized program. Includes orientation, demonstrations, and conferences. Prerequisite: Health Education 355, or concurrently.
- 384-2 **SENIOR SEMINAR.** Study in areas of nursing which present certain professional, national, and international challenges.



Southern Illinois University Foundation

The Southern Illinois University Foundation is a nonprofit corporation chartered by the state and authorized by the Board of Trustees to receive gifts for the benefit of the University, to buy and sell property, and otherwise to serve the University.

It respectfully asks alumni and other citizens of Southern Illinois to consider making gifts and bequests to benefit the University. Such gifts should be conveyed to the Foundation, with proper stipulation as to their uses. The Foundation, through its officers and members, will be glad to confer with intending donors regarding suitable clauses to insert in wills and suitable forms of gifts and memorials, including bequests by means of life insurance. Large or small gifts to the library will be appreciated; likewise, gifts for special equipment, buildings, endowment of professorships in particular subjects, gifts to student loan funds and scholarship funds, gifts for the use of foreign students, and endowments for particular sorts of research. Any gifts or bequests can be given suitable memorial names.

The staff members of the Foundation are

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Southern Illinois University

Bulletin



Schedule of Classes *Fall-Spring*

EDWARDSVILLE CAMPUS

1964-65

Schedule of Classes

Fall, 1964, through Spring, 1965
Edwardsville Campus



SOUTHERN ILLINOIS UNIVERSITY BULLETIN
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General Information
General Studies and AF ROTC
Financial Assistance
Summer Session (Carbondale)
Summer Session (Edwardsville)
Schedule of Classes (Carbondale)
Schedule of Classes (Edwardsville)
Divisional Announcements (Edwardsville)
Graduate School
College of Education
College of Liberal Arts and Sciences
School of Agriculture
School of Business
School of Communications
School of Fine Arts
School of Home Economics
School of Technology
Division of Technical and Adult Education
Department of Nursing

All intending students should have the General Information bulletin (issued once a year), plus the special bulletins of the various educational units in which they are most interested.

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This Bulletin

contains the schedule of classes to be offered on the Edwardsville Campus for the fall, winter, and spring quarters of the 1964-65 school year. It also provides information relative to advisement and registration. It does not cover all questions concerning Southern Illinois University. For additional information about the Edwardsville Campus the prospective student should refer to the General Information bulletin and Divisional Announcements (Edwardsville).

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University Calendar, 1964-1965

1964 SUMMER SESSION

Session Begins	Monday, June 15
Independence Day Holiday	Friday, July 3
Final Examinations (8-Week Session)	Wednesday-Thursday, August 5-6
Summer Commencement	Friday, August 7
Final Examinations (Summer Quarter)	Monday-Saturday, August 24-29

1964 FALL QUARTER

New Student Week	Sunday-Tuesday, September 20-22
Quarter Begins	Wednesday, September 23
Thanksgiving Vacation	Wednesday, 12 Noon-Monday 8 A.M. November 25-30
Final Examinations	Monday-Saturday, December 14-19

1965 WINTER QUARTER

Quarter Begins	Monday, January 4
Final Examinations	Monday-Saturday, March 15-20

1965 SPRING QUARTER

Quarter Begins	Monday, March 29
Memorial Day Holiday	Monday, May 31
Final Examinations	Wednesday-Tuesday, June 9-15
Commencement (Carbondale)	Wednesday, June 16
Commencement (Edwardsville)	Thursday, June 17

Classes begin on the second day of the quarter, except that the evening classes (5:45 P.M. or later) on the Carbondale Campus begin on the first night of the quarter.

Registration Calendar, Fall, 1964

May 25-29	Registration: Juniors and seniors enrolled in the 1964 spring quarter may register 8:30-11:30, 1:00-4:00, 5:00-7:00 P.M. (Alton and East St. Louis enrollment centers only)
June 1-3	Registration: Freshman and sophomores currently enrolled and enrolling for the fall quarter as full-time students (12 hours or more) may register 8:30-11:30, 1:00-4:00, 5:00-7:00 P.M. (Alton and East St. Louis enrollment centers only)
June 29-July 31 August 10-21	Registration for continuing students and new and re-entering students who have been admitted. New students should refer to the Advisement and Registration Procedure on page 2 for requirements to be met before registering. Monday through Friday, 8:30-11:30, 1:00-4:00 P.M.
August 10-21	Evening students Monday through Friday, 5:00-7:00 P.M.
August 21	Students will receive fee statements by mail if registered by this date.
September 11	Students will have their registrations cancelled if fees are not paid at the Business Office by 4:00 P.M., C.D.T.
September 18	Program adjustment day for students who have completed their registration by paying fees before September 11. No fee. 9:00 A.M. to 7:00 P.M.
September 20-22	New Student Week.
September 23	Fall quarter begins. Last day of regular registration, 8:00 A.M. to 8:00 P.M. Fees are payable at the time of registration.
September 24	All classes begin.
September 28	Program adjustment day. All program adjustments must be completed on this day. Only class drops will be accepted later. 9:00-12:00, 1:00-4:00, 5:00-7:00 P.M.
October 7	Last day to submit applications for refund of fees.
October 20	Last day to drop a class without receiving a letter grade.
December 1	Last day to drop a class or withdraw from school except under exceptional conditions.

Registration Calendar, Winter, 1965

October 12-16	Registration period for seniors only who desire to register for both winter and spring quarters. 8:30-11:30, 1:00-4:00, 5:00-7:00 P.M. (Alton and East St. Louis enrollment centers only)
October 19- November 6	Registration period for full-time students (12 hours or more) enrolled in the 1964 fall quarter and for new and re-entering students who have been admitted. Monday through Friday, 8:30-11:30, 1:00-4:00 P.M.
November 9-25, November 30- December 2	Registration period for students enrolled in the 1964 fall quarter and for new and re-entry students who have been admitted. New students should refer to the Advisement and Registration Procedure on page 2 for requirements to be met before registering. Students in school during the fall quarter who do not register during this period must wait until January 6, 1965, and will be assessed a \$3 late registration fee on that date. Monday through Friday, 8:30-11:30, 1:00-4:00 P.M.
November 9-21	Registration period for evening students Monday through Friday, 5:00-7:00 P.M. and Saturday mornings 9:00-12:00. Students in school during the fall quarter who do not register during this period or during the scheduled hours on or before December 2 must wait until Wednesday, January 6, 1965, and will be assessed a \$3 late registration fee on that date.
December 2	Students will receive fee statements by mail if registered by this date.
December 16	Students will have their registrations cancelled if fees are not paid at the Business Office by 4:00 P.M. Cancelled students must wait until January 6, 1965, to register again and will be assessed a \$3 late fee on that date.
December 29	Program adjustment day for students who have completed their registration by paying fees before December 16. No fee. 9:00 A.M. to 7:00 P.M.
January 4	Winter quarter begins. Last day of regular registration period. Only new and re-entering students will be advised and registered. 8:00 A.M. to 8:00 P.M.
January 5	All classes begin.
January 7	Program adjustment day, 9:00-12:00, 1:00-4:00, 5:00-7:00 P.M. All program adjustments must be completed on this day.
January 18	Last day for refund applications to be submitted to Registrar's Office for refund of fees for winter quarter.
January 30	Last day to drop a class without receiving a letter grade.
March 6	Last day for dropping a class or withdrawing from school except under exceptional conditions.

Registration Calendar, Spring, 1965

January 18-29	Registration period for full-time students (12 hours or more) enrolled in the 1965 winter quarter and for new and re-entering students who have been admitted. New students should refer to the Advisement and Registration Procedure on Page 2 for requirements to be met before registering. Monday through Friday, 8:30-11:30, 1:00-4:00 P.M.
February 8- March 10	Registration period for students enrolled in the 1965 winter quarter and for new and re-entering students who have been admitted. Students in school during the winter quarter who do not register during this period must wait until Wednesday, March 31, 1965, and will be assessed a \$3 late registration fee on that date. Monday through Friday, 8:30-11:30, 1:00-4:00 P.M.
February 22- March 6	Registration period for evening students Monday through Friday, 5:00-7:00 P.M. and Saturday mornings 9:00-12:00. Students in school during the winter quarter who do not register during this period or during the scheduled hours on or before March 10 must wait until Wednesday, March 31, 1965, and will be assessed a \$3 late registration fee on that date.
March 6	Students will receive fee statements by mail if registered by this date.
March 8-10 March 19	Those who register must pay fees at time of registration. Students will have their registration cancelled if fees are not paid at the Business Office by 4:00 P.M. Cancelled students must wait until Wednesday, March 31, 1965, to register again and will be assessed a \$3 late registration fee on this date.
March 24	Program adjustment day for persons who have completed their registration by paying fees before March 19, 1965. No fee. 9:00 A.M. to 7:00 P.M.
March 29	Spring quarter begins. Last day of regular registration period. Only new and re-entering students will be advised and registered. 8:00 A.M. to 8:00 P.M.
March 30	All classes begin.
April 2	Program adjustment day. 9:00-12:00, 1:00-4:00, 5:00-7:00 P.M. All program adjustments must be completed on this date. Only class drops will be accepted later.
April 13	Last day for refund applications to be submitted to the Registrar's Office for refund of fees for spring quarter.
April 24	Last day to withdraw from a course without receiving a letter grade.
June 1	Last day for dropping a class or withdrawing from school except under exceptional conditions.

General Information

THIS BULLETIN contains the schedule of classes to be offered at the Alton, East St. Louis, and Edwardsville centers of the Edwardsville Campus for the fall, winter, and spring quarters of the 1964-65 school year. It also provides information relative to advisement and registration, fees, various calendars of events, and allied information.

Classes are scheduled for three locations: Alton, East St. Louis, and Edwardsville. At Alton and East St. Louis, a full schedule for day and evening students is offered. At Edwardsville, classes meet in the evenings only. All Edwardsville classes will be held in the Edwardsville Junior High School located on ByPass 66 in Edwardsville just north of the new campus site.

ADMISSION

A student must be officially admitted to the University before registration in classes will be permitted. *Students who have not completed the admission requirements by the start of the registration period will not be permitted to register.* The student, to be permitted to attend classes at Southern Illinois University, must have completed registration, which includes admission, advisement, sectioning, and payment of fees.

Admission policies for undergraduate students are stated in the General Information issue of the *Southern Illinois University Bulletin*. Admission policies for graduate students appear in the Graduate School issue. Either issue may be obtained from Central Publications.

Inquiries concerning admission to Southern Illinois University should be directed to the Admissions Office at Edwardsville. Applications for admission are accepted any time during the calendar year but should be

initiated at least 30 days prior to the start of the quarter which the student plans to attend.

ADVISEMENT AND REGISTRATION SYSTEM

The Edwardsville Campus uses an academic advisement system whereby a chief academic adviser and assistant academic advisers selected from the teaching faculty are available at each center. After a student has received his certificate of admission, his next step is to contact the chief academic adviser at the center he plans to attend for an appointment. Transfer students should note the procedural restrictions below under Advisement and Registration Procedure. Graduate students should contact the Graduate Office in Alton.

After advisement the new student may register for classes. The new student should familiarize himself with the registration system through which a student is expected to register prior to the first day of the quarter. The registration calendars begin on page vii.

A continuing student may be self-advised in succeeding quarters for registration purposes although advisement is available upon request. During the registration process the student goes through sectioning at the enrollment center where assignment is made to specific sections of the courses he is to take. Although the student's choice of preferred times is given first consideration, the limitations of space may require assignment to early morning or late afternoon hours. He is to expect assignment to such classes even though these may not always be considered desirable hours.

ADVISEMENT AND REGISTRATION PROCEDURE NEW STUDENTS

A student entering the University for the first time may register only after receiving from the Admissions Office his certificate of admission to the University. In addition, a new freshman may be advised and registered only after he has completed the necessary tests and the results have been sent to Southern. A new transfer student may be advised and registered only after two weeks have elapsed from the date of receipt of the certificate of admission. Transfer students cannot register on the same day they are admitted during the registration period because transfer credit must be evaluated before registration. Calendars beginning on pages vii of this bulletin specify dates for registration.

An *undergraduate* student admitted to the General Studies program initiates the registration process by contacting the chief academic adviser at the center where he plans to attend classes, in the main instructional

building at 9th and Ohio streets in East St. Louis or on Leverett Street in Alton. An *upper division* student should contact the chief academic adviser for assignment to the division of the student's field of concentration for advisement. A *graduate* student should contact the Graduate Office, on Leverett Street in Alton.

Specific advisement and registration information is sent to each student when he is admitted.

A new transfer student admitted during the last two weeks of a registration period must wait to register at the beginning of the quarter.

Although academic advisers are available, each student is responsible for his own academic program and must be aware of graduation requirements, which include University, academic unit, concentration, and other requirements. He should keep a record of courses completed and those yet to be taken. He should prepare a tentative listing of the classes he wants to take and present it to his adviser, who can help him to be sure that his requirements are being met, to select appropriate electives, and to develop long range educational and vocational plans.

RE-ENTERING STUDENTS

One who has attended the University at some former time but not during the session immediately prior to the time he plans to re-enter should initiate action by contacting the Admissions Office. Specific advisement and registration information will be furnished as he completes his re-entrance procedure with the Admissions Office.

CURRENT STUDENTS, EDWARDSVILLE CAMPUS

Each student currently registered in the University will be continued in his present curriculum unless a change of concentration is made. A change of concentration is initiated with the chief academic adviser. The change should be made at the time of advisement; the registrar's copy of the change form should accompany the student's registration. A change of concentration made after a registration has been processed will not be reflected in the student's record until the next registration.

A student currently registered in the University may be self-advised for registration purposes. Academic advisement is available if desired. The student should prepare his desired program of classes at each registration period and process through the sectioning area of the enrollment center as soon as possible at the start of the registration period in order to achieve the desired schedule of classes and time periods.

CURRENT STUDENTS, CARBONDALE CAMPUS

A student currently enrolled in and attending classes on the Carbon-

dale Campus who desires to register on the Edwardsville Campus will initiate his registration at the sectioning area of the enrollment center where he plans to attend classes. Each student will complete the intra-university transfer data form to secure information necessary for the data processing center preparation of registration materials. The student who registers on the first day of the quarter should present his most recent grade report to confirm scholastic eligibility to register.

For the purpose of advisement the student may wish to have a copy of his transcript sent to the Edwardsville Campus prior to registration.

PAYMENT OF FEES

A student registering will, in most cases, receive his fee statement and receipt card by mail, and his fees may be paid either by mail or in person by the date specified in the registration calendar. A student registering for the spring quarter during the last few days of the advance registration period must pay his fees at the time he registers, because insufficient time remains between the last days of the registration period and the fee paying deadline to permit mailing of the fee statement.

Upon payment of fees, the fee statement and receipt card will be stamped by the Business Office and returned to the student as a fee receipt. The card should be carried at all times. It serves as official authorization to attend classes as scheduled and must be presented to obtain books and activity cards and to process program changes. If fees are paid in person, the card will be given to the student at the time of payment. If paid by mail, the card may be picked up at any time thereafter at the Business Office.

FEES FOR A REGULAR QUARTER

The University reserves the right to change fees and to have the change go into effect whenever the proper authorities so determine. Under the current fee schedule, Illinois undergraduate students taking more than 8 hours pay the following regular fees:

Tuition	\$42.00
Book rental	8.00
Activity fee	9.50
Student union building fund fee	5.00
Total	<u>\$64.50</u>

Illinois students taking 8 or fewer hours will pay the following fees:

Tuition	\$21.00
Book rental	4.00
Student union building fund fee	5.00
Total	<u>\$30.00</u>

The activity fee of \$9.50 is optional for part-time students. Once an option is chosen, whether for more than 8 hours, or an additional \$40 if they take 8 hours or fewer, or not to pay the activity fee, such option is irrevocable.

Out-of-state students will pay an additional \$80 if they take more than 8 hours, or an additional \$40 if they take 8 hours or fewer.

In addition to the above, there are some physical education classes that require a special fee.

WHERE TO REGISTER

During the 1964–65 academic year students may register at any of the three enrollment centers. The Alton enrollment center is located in the Registrar's Office on College Avenue and Seminary. The East St. Louis enrollment center is located in Room 115 of the main instructional building. At Edwardsville the enrollment center is located on the new campus site at the Office of the Registrar. (See the maps on pages 8–11.)

ACADEMIC LOAD

The normal class load is 16 quarter hours for undergraduate students and 12 quarter hours for graduate students. The maximum load for both is 18 hours. A student with a 4.25 average or above for the preceding quarter may be allowed by the chief academic adviser of the center or by the head of his division to take as many as 21 hours. In no case may a student carry or be credited with more than 21 hours in any quarter. A student on probation may not take more than 14 hours.

A person may not register for more than 8 hours if he is employed full time.

The Selective Service System requires a minimum of 12 hours to qualify for a student deferment.

The National Defense Education Act requires a minimum of 12 hours to qualify for a student loan.

AUDITING OF COURSES

A student may register for courses in an "audit" status. He receives no letter grade and no credit for such courses. An auditor's registration card must be marked accordingly. He pays the same fees as though he were registering for credit. He is expected to attend regularly and is to determine from the instructor the amount of work expected of him. If an auditing student does not attend regularly, the instructor may determine that the student should not have the audited course placed on his record card main-

tained in the Registrar's Office. A student registering for a course for credit may change to an audit status or vice versa only for fully justified reasons and only during the first four weeks of a quarter. Such a change requires the academic dean's approval.

REGISTERING FOR AND DROPPING COURSES

Mere attendance does not constitute registration in a class nor will attendance in a class for which a student is not registered be a basis for asking that a program adjustment be approved permitting registration in that class. A student is officially registered only for those courses and sections appearing on his registration cards. Any change therefrom can be made only after fees are paid and must be made through an official program change.

A student desiring to make a program change must initiate his request at the enrollment center of the Registrar's Office. He must present his fee receipt program card and complete the following procedure. After having been cleared with the enrollment center, program changes for which a program change fee is assessed must be presented to the Business Office for payment. The student immediately returns the program change to the enrollment center in the Registrar's Office for final processing. A student has not completed his program change until he presents it to the enrollment center in the Registrar's Office. No change is official until the preceding procedure is complete.

A program adjustment day is listed in the registration calendar for each quarter. Anyone desiring to make changes which necessitate adding or dropping classes should do so on the day provided. A program change must be made to drop or add a course. A student may not drop a course merely by stopping attendance. Failure to officially drop a course may result in academic penalty. The last date for dropping a course without receiving a *W* grade is the last day of the fourth week of the quarter. (Refer to registration calendar.)

WITHDRAWAL FROM SCHOOL

A student who finds it necessary to withdraw from school while the quarter is in progress must report to the enrollment center in the Registrar's Office to initiate official withdrawal action. No withdrawal will be permitted during the last two weeks of a quarter except under exceptional conditions. A refunding of fees is permitted only if a withdrawal is officially completed within the first two weeks of a quarter and if the application for a refund is received in the Registrar's Office within two weeks following the last regular registration period. See the Registration Calendar for the specific dates concerning withdrawal and refunding of fees.

CANCELLATION OF REGISTRATION

A registration including the payment of tuition and fees may be considered invalid if the student is declared to be ineligible to register due to scholastic reasons. The same situation may exist due to financial or disciplinary reasons if certified to the registrar by the director of student affairs.

PERSONAL DATA CHANGES

1. A CHANGE IN ADDRESS, whether local, home, or parents', is to be reported by the student to the Registrar's Office as soon as possible after the change occurs. The above addresses for a student are obtained from his initial application for admission. Address changes are not made thereafter unless they are reported by the student.

2. A CHANGE IN NAME is to be reported to the enrollment center in the Registrar's Office. A change for marital reasons will be made on the basis of a signed statement. Other changes may require the presenting of legal evidence.

3. A CHANGE IN MARITAL STATUS is to be reported to the Registrar's Office. A change will be made if it is based upon incorrect coding or punching. Any other change must be accompanied by a signed statement.

4. A CHANGE IN LEGAL RESIDENCE (whether an Illinois or out-of-state resident) may be initiated in the Registrar's Office by requesting to be declared an Illinois resident. Before the request is honored, the registrar must be satisfied that the student has met the regulations governing residency status as established by the Board of Trustees.

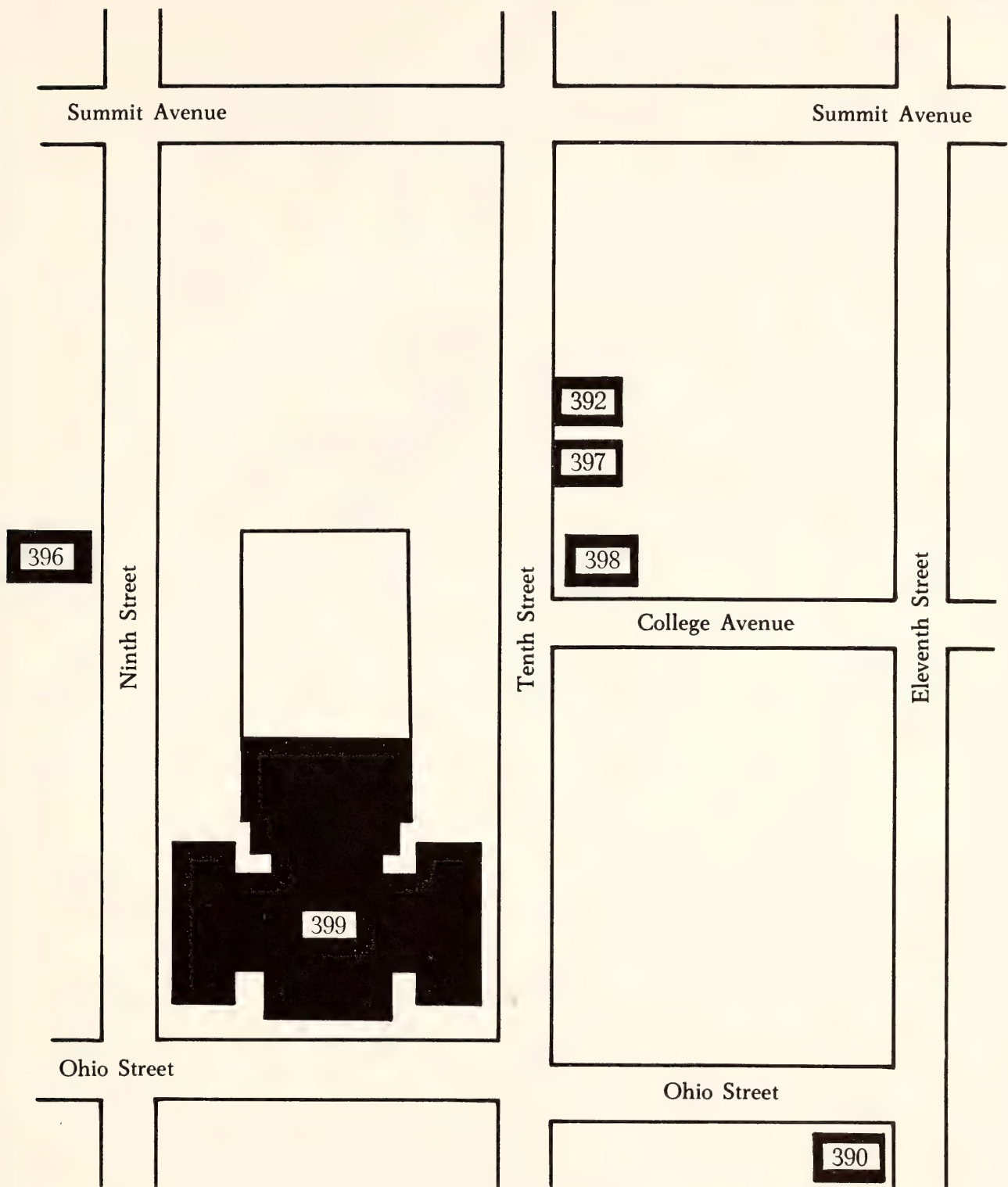
ALTON CENTER



283 ANA Annex A
 282 ANB Annex B
 280 AUD Auditorium
 278 FAA Fine Arts A
 284 FAB Fine Arts B
 274 FAC Fine Arts C
 281 GYM Gymnasium
 285 HUM Humanities
 276 LL Language Laboratory
 279 SCI Science
 288 SS Social Sciences
 287 S&T Science & Technology
 273 SU Student Union
 286 Administration
 272 Book Store
 271 Business Office

292 BY Brick Yard Building, Madison County Mental Health Clinic
 289 Business Faculty Offices
 286 Division Heads' Office
 275 Education
 286 General Office
 265 Graduate Advisement Office
 273 Health Service
 277 Library
 273 Placement Service
 291 Radio-Television Studio
 271 Registrar's Office
 270 Storage
 273 Student Affairs Office
 273 Student Employment

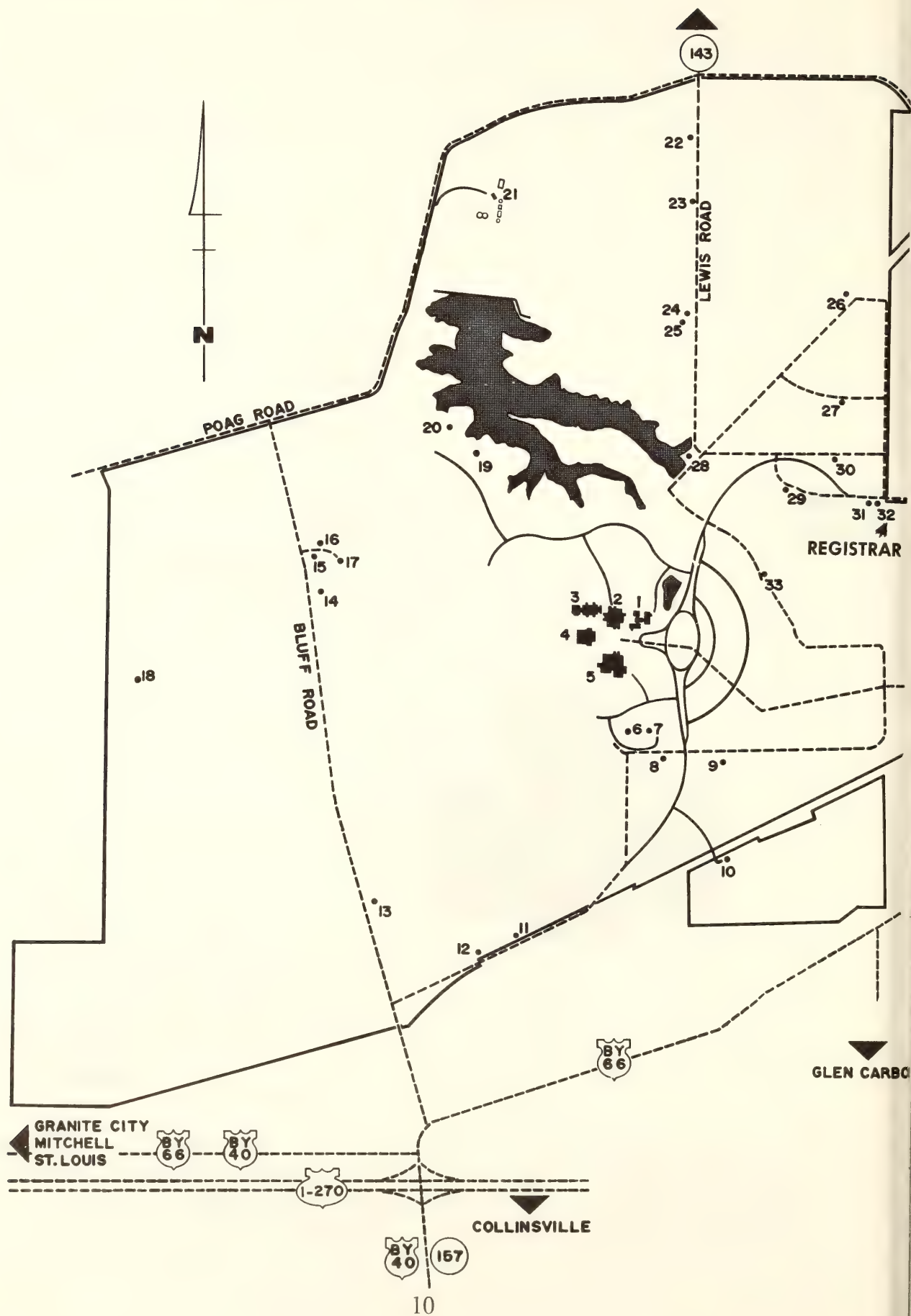
EAST ST. LOUIS CENTER

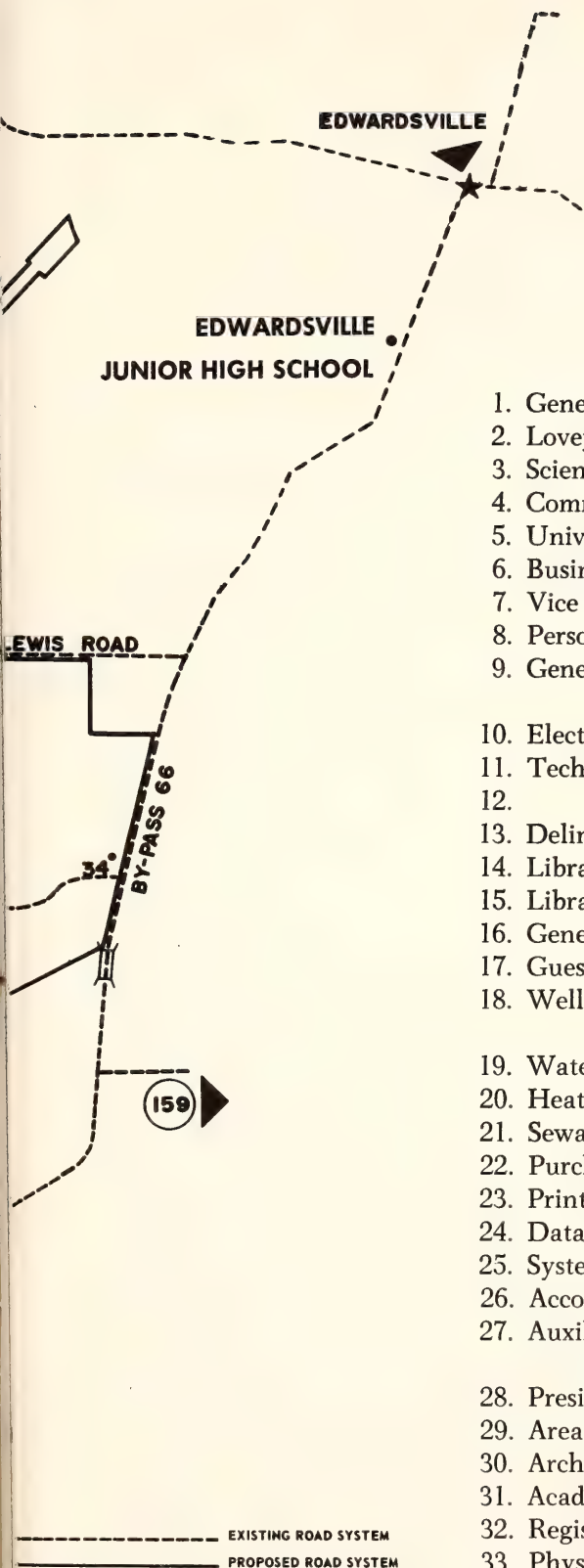


390 Faculty Offices
392 Division Heads
396 Faculty Offices

397 Nurse's Training and Cartography
398 Faculty Offices
399 Main Building

EDWARDSVILLE CAMPUS SITE





LEGEND

1. General Classrooms and Faculty Office Building
2. Lovejoy Memorial Library
3. Science Laboratory Building
4. Communications Building
5. University Center
6. Business Affairs; Student Affairs; Security
7. Vice President; Dean of Academic Affairs
8. Personnel
9. General Stores; Central Receiving
10. Electric Sub-station
11. Technical and Adult Education
- 12.
13. Delinquency Study Project
14. Library
15. Library Annex
16. General Studies
17. Guest House
18. Well (raw water)
19. Water Tower
20. Heating and Refrigeration Plant
21. Sewage Treatment Plant
22. Purchasing
23. Printing and Art
24. Data Processing
25. Systems and Procedures
26. Accounting; Auditing
27. Auxiliary Enterprises
28. President's Office
29. Area Services
30. Architect
31. Academic Student Counseling; Admissions
32. Registrar
33. Physical Plant
34. Community Development; Public Administration and Metropolitan Affairs

Schedule of Classes

LISTING OF COURSES

Courses are listed numerically within each subject-matter area. Areas in which courses are offered in this schedule are listed below in the order of their appearance in the schedule. Beside each area is its code (in parentheses) used for registration purposes. A single letter following the area's code letters indicates one of the academic units: B indicates the Business Division, E the Education Division, F the Fine Arts Division, H the Humanities Division, N the Department of Nursing, T the Science and Technology Division, and S the Social Sciences Division.

SUBJECT AREA	CODE	DIVISION	SUBJECT AREA	CODE	DIVISION
General Studies Area A ....(GSA)			Government .....(Govt)		S
General Studies Area B....(GSB)			Guidance .....(Guid)		E
General Studies Area C ....(GSC)			Health Education .....(H Ed)		E
General Studies Area D....(GSD)			History .....(Hist)		S
General Studies Area E ....(GSE)			Humanities .....(Hum)		H
Accounting .....(Acct)	B		Instructional Materials ....(I M)		E
Anthropology .....(Anth)	S		Journalism .....(Jrnl)		H
Applied Science .....(Ap S)	T		Management .....(Mgt)		B
Art .....(Art)	F		Marketing .....(Mktg)		B
Botany .....(Bot)	T		Mathematics .....(Math)		T
Business Education .....(BsEd)	B		Music .....(Mus)		F
Chemistry .....(Chem)	T		Nursing .....(Nurs)		N
Comparative Literature ....(C Lt)	H		Philosophy .....(Phil)		H
Economics .....(Econ)	B		Physical Education—		
Education .....(Ed)	E		Men .....(PEM)		E
Administration .....(Ed Ad)	E		Physical Education—		
Elementary .....(Ed El)	E		Women .....(PEW)		E
Secondary .....(Ed S)	E		Physics .....(Phys)		T
Special .....(Ed Sp)	E		Physiology .....(Phsl)		T
English .....(Eng)	H		Psychology .....(Psyc)		E
Foreign Languages .....(F L)	H		Radio and Television .....(R-T)		F
French .....(Fr)	H		Sociology .....(Soc)		S
German .....(Ger)	H		Speech .....(Spch)		F
Russian .....(Russ)	H		Speech Correction .....(Sp C)		F
Spanish .....(Span)	H		Theater .....(Thea)		F
Geography .....(Geog)	S		Zoology .....(Zool)		T

COURSE NUMBER AND HOURS

The column containing this information shows the number of the course first, followed by the number of hours of credit. Course numbers are three-digit numbers. In some cases the three digits may be followed by a letter which is also part of the course number. The number appearing after the hyphen denotes the hours of credit for the course. In some cases there may be more than one number following the course number such as 599-2 to 5. This represents a variable-hour course in which the student decides the number of hours for which he is going to register in consultation with his adviser.

The course numbering system is as follows:

000-099	Course not properly falling in the following categories
100-199	For freshmen
200-299	For sophomores
300-399	For juniors and seniors
400-499	For seniors and graduate students
500-600	For graduate students only

PREREQUISITES

Many courses have prerequisites which must be completed before taking an advanced course. Some courses must follow a sequential pattern. The prerequisite listing for all courses will be found in the 1964 Divisional Announcements bulletin for the Edwardsville Campus. Revision of curriculum numbering has resulted in many sequential courses being listed under one number followed by an alphabetical designation as to the course placement in the sequence. For example, Accounting 251, 252, 253 now reads Accounting 251a,b,c. A student who has had 251 would enroll for 251b as the second part of the sequence. The student should consult with his adviser when in doubt as to the proper sequence.

SECTION NUMBER, TIME, AND DAYS

The times given indicate the beginning and end of each class period. Students registering for courses listed as "arranged" may obtain times and days from the instructor indicated or, if no instructor is listed, from the division offering the course.

Alton classes are indicated by section numbers starting with 201,

East St. Louis classes by section numbers starting with 401, and Edwardsville classes by section numbers starting with 001.

The letter *E* prefixed to a section number indicates an evening class beginning at 4:20 P.M. or later.

EXPLANATION OF ENTRIES

The entry for each course is arranged as follows:

First Line: The course's identification number is followed by the number of quarter hours of credit and the descriptive title.

Second Line: Special registration information, explanations, or any other remarks about the course appear on the second line. Sometimes the second line is not used.

Section-Number Lines: The first column lists the section numbers for classes offered at Alton; the second lists sections offered at East St. Louis; the third lists sections offered at Edwardsville. Following each section number are the time the class begins (between 8:00 A.M. and 4:20 P.M. for daytime classes) and the time it ends. Each evening class is indicated by the letter *E* prefixed to its section number. The days on which the class meets, the place where it meets, and the instructor's last name complete the entry.

16 GENERAL STUDIES AREA A (GSA)

Course No.—Hours Descriptive Title Time Days (See page 14 for Prerequisites)
 Alton E. St. Louis Edwardsville Place Instructor

GENERAL STUDIES AREA A—MAN'S PHYSICAL ENVIRONMENT AND BIOLOGICAL INHERITANCE (GSA)

101a-3 Introduction to Physical Sciences							
Day student enrolls in lecture and one lab (Lab and Friday lecture meet every other week)							
Lect	3:00-3:50	Tu ThF	Aud 200	staff			
Lab 201	1:00-2:50	M	SCI 007	staff			
Lab 202	3:00-4:50	M	SCI 007	staff			
Lab 203	8:00-9:50	Tu	SCI 007	staff			
Lab 204	12:00-1:50	Tu	SCI 007	staff			
Lab 205	10:00-11:50	W	SCI 007	staff			
E206	8:20-10:10	M W	SCI 007	staff			
Lect	3:00-3:50	Tu Th	130 Aud	staff			
	3:00-3:50	F	Arranged	staff			
Lab 401	1:00-2:50	M	124	staff			
Lab 402	3:00-4:50	M	124	staff			
Lab 403	1:00-2:50	W	124	staff			
Lab 404	3:00-4:50	W	124	staff			
101c-3 Introduction to Physical Sciences							
Student enrolls in lecture and one lab							
Lect	3:00-3:50	Tu Th	103	Chang			
Lab 401	1:00-2:50	F	125	Chang			
Lab 402	3:00-4:50	F	125	Chang			
200-3 Earth Science							
Student enrolls in lecture and one lab							
Lect	1:00-1:50	M W	ANA 110	staff			
Lab 201	12:00-1:50	F	ANA 110	staff			
Lab 202	12:00-1:50	Th	ANA 110	staff			
Lect	9:00-9:50	M W	105	Mookerjee			
Lab 401	8:00-9:50	Th	397-001	Mookerjee			
Lab 402	8:00-9:50	F	397-001	Mookerjee			
201a-3 Man's Biological Inheritance							
Student enrolls in lecture and one lab							
Lect	3:00-3:50	M W	AUD 200	Broadbooks			
Lab 201	10:00-11:50	Tu	SCI 111	Broadbooks			
Lab 202	12:00-1:50	Tu	SCI 111	Myer			
Lab 203	2:00-3:50	Tu	SCI 111	Broadbooks			
Lab 204	10:00-11:50	Th	SCI 111	Broadbooks			
Lab 205	12:00-1:50	Th	SCI 111	Myer			
Lab 206	2:00-3:50	Th	SCI 111	Myer			
E207	6:20-8:10	Tu Th	SCI 111	Frost			
Lect	2:00-2:50	M W	115	Wooldridge			
Lab 401	12:00-1:50	Th	116	Wooldridge			
Lab 402	2:00-3:50	Th	116	Wooldridge			
Lab 403	12:00-1:50	F	116	Wooldridge			
Lab 404	2:00-3:50	F	116	Wooldridge			
E405	6:20-8:10	Tu Th	116	Ratzlaff			
201c-3 Man's Biological Inheritance							
Student enrolls in lecture and one lab							
Lect	1:00-1:50	Tu Th	SCI 200	Brown			
Lab 201	1:00-2:50	M	SCI 111	Brown			
Lab 202	3:00-4:50	M	SCI 111	Brown			
330-3 Weather							
Lect	2:00-2:50	M W	ANA 110	Kazeck			
Lab 201	1:00-2:50	Tu	ANA 110	Kazeck			
Lect	2:00-2:50	M W	105	Guffy			
Lab 401	2:00-3:50	F	397-001	Guffy			
363a-3 Philosophy of Science (Same as GSC 363a)							
201	9:00-9:50	M W F	HUM 206	Morrison			

Course No.-Hours Descriptive Title (See page 14 for Prerequisites)
Alton E. St. Louis Edwardsville Time Days Place Instructor

GENERAL STUDIES AREA B—MAN’S SOCIAL INHERITANCE
AND SOCIAL RESPONSIBILITIES (GSB)

101a-3	Survey of Western Tradition	.....	.....	.....	.....	.....	.....
201		8:00-8:50	M	W	F	ANA 104	Koepke
202		12:00-12:50	M	W	F	AUD 200	Kazeck
203		12:00-1:15	Tu	Th		AUD 200	Baker
E204		6:20-7:35	Tu	Th		ANA 110	Baker
401		11:00-11:50	M	W	F	130	Collier
402		11:00-12:15	Tu	Th		130	Guffy
E403		8:20-9:35	M	W		104	staff
101b-3	Survey of Western Tradition	.....	.....	.....	.....	.....	.....
201		1:00-1:50	M	W	F	AUD 100	Gallaher
401		12:00-12:50	M	W	F	112	Steckling
101c-3	Survey of Western Tradition	.....	.....	.....	.....	.....	.....
201		8:00-8:50	M	W	F	AUD 100	staff
E202		8:20-9:35	M	W		AUD 100	staff
401		9:00-9:50	M	W	F	124A	Haas
201a-3	Culture, Society, Behavior	.....	.....	.....	.....	.....	.....
201		11:00-11:50	M	W	F	AUD 200	E. Schusky
E202		6:20-7:35	M	W		SS 201	E. Schusky
401		11:00-11:50	M	W	F	212	Culbert
402		12:00-12:50	M	W	F	205	staff
E403		6:20-7:35	Tu	Th		224	staff
201b-3	Culture, Society, Behavior	.....	.....	.....	.....	.....	.....
201		12:00-12:50	M	W	F	SCI 103	Campbell
401		9:00-9:50	M	W	F	130	staff
201c-3	Culture, Society, Behavior	.....	.....	.....	.....	.....	.....
201		2:00-2:50	M	W	F	AUD 200	Kuenzli
E202		8:20-9:35	M	W		SCI 200	staff
401		10:00-10:50	M	W	F	130	staff
E402		5:30-8:10		Th		115	staff
211a-3	Political Economy	.....	.....	.....	.....	.....	.....
201		8:00-8:50	M	W	F	SCI 102	Scott
E202		5:30-8:10		Th		SCI 200	staff
401		10:00-10:50	M	W	F	205A	staff
E402		5:30-8:10		W		103	Cohen
211c-3	Political Economy	.....	.....	.....	.....	.....	.....
201		1:00-2:15	Tu	Th		ANA 101	Mace, Schwier
401		1:00-2:15	Tu	Th		115	Stahnke, staff
311-3	Economic Development of the United States	.....	.....	.....	.....	.....	.....
201		12:00-12:50	M	W	F	ANA 104	McDonald
E202		8:20-9:35	Tu	Th		ANA 104	McDonald
401		9:00-9:50	M	W	F	103	staff
331-3	The American Educational Systems	.....	.....	.....	.....	.....	.....
201		9:00-9:50	M	W	F	SCI 201	staff
E202		5:30-8:10		W		SCI 002	staff
401		12:00-1:15	M	W		212	staff
E402		5:30-8:10	M			103	Jung
351a-3	Geographic and Cultural Background of Developing Africa	.....	.....	.....	.....	.....	.....
201		11:00-12:15	Tu	Th		ANA 110	staff
354-3	Industrial Economic Geography	.....	.....	.....	.....	.....	.....
201		11:00-11:50	M	W	F	ANA 110	Koepke
401		10:00-10:50	M	W	F	105	Snaden

18 GENERAL STUDIES AREA C (GSC)

Course No.—Hours Descriptive Title Time Days (See page 14 for Prerequisites)
 Alton E. St. Louis Edwardsville Place Instructor

GENERAL STUDIES AREA C—MAN'S INSIGHTS AND APPRECIATIONS (GSC)

100-3 Music Understanding							
		E001	8:20-9:35	M W	EJH 108	Mellott	
201			9:00-9:50	M W F	AUD 200	Tulloss	
	401		2:00-2:50	Tu	212	Kresteff	
			2:00-3:50	Th	212	Kresteff	
101-3 Art Appreciation							
		E001	6:20-9:10	M	EJH 202	Richardson	
201			10:00-10:50	M W F	FAA 104	Buddemeyer	
202			11:00-11:50	M W F	FAA 104	Marcell	
203			12:00-12:50	M W F	FAA 104	Howerton	
204			1:00-2:15	Tu Th	FAA 104	Huntley	
E205			6:20-7:35	Tu Th	FAA 104	staff	
	401		9:00-9:50	M W F	221	Kemper	
	402		2:00-3:15	M W	221	staff	
	403		4:20-5:35	M W	221	Milovich	
151-3 Introduction to Poetry							
201			8:00-8:50	MTu F	ANB 103	staff	
E202			6:20-7:35	M W	HUM 107	staff	
	401		12:00-12:50	Tu ThF	225	staff	
	E402		6:20-7:35	Tu Th	124A	staff	
152-3 Logic							
Day student enrolls in lecture and one quiz section							
Lect			11:00-11:50	Tu Th	ANA 104	staff	
201			11:00-11:50	M	SS 201	staff	
202			11:00-11:50		F SS 201	staff	
203			12:00-12:50		F SS 201	staff	
E204			8:20-9:35	Tu Th	AUD 100	staff	
Lect			3:00-3:50	Tu Th	115	Linden	
	401		3:00-3:50	M	224	Linden	
	402		3:00-3:50		F 221	Linden	
	403		2:00-2:50		F 221	Linden	
	E404		8:20-9:35	M W	205	Linden	
251a-3 Literary and Philosophical Masterpieces							
201			1:00-1:50	M W F	AUD 200	Mogan	
E202			6:20-7:35	Tu Th	AUD 200	Shea	
	401		8:00-8:50	M W F	130 Aud	Allen	
	E402		8:20-9:35	Tu Th	115	Murdoch	
255-3 Music in History							
201			11:00-11:50	M W F	FAC 203	Warren	
351a-4 History of World Art							
201			10:00-11:50	Tu Th	FAA 104	Richardson	
357a-3 Music History and Literature							
201			10:00-11:50	Tu	FAC 201	Kresteff	
			10:00-10:50	Th	FAC 201	Kresteff	
363a-3 Philosophy of Science (Same as GSA 363a)							
201			9:00-9:50	M W F	HUM 206	Morrison	

GENERAL STUDIES AREA D—ORGANIZATION AND COMMUNICATION OF IDEAS (GSD)

101a-3 English Composition							
		E001	6:20-8:10	M W	EJH 209	staff	
		E002	6:20-8:10	M W	EJH 208	staff	
		E003	8:20-10:10	M W	EJH 209	staff	
201			9:00-9:50	MTu ThF	AUD 100	staff	

FALL

GENERAL STUDIES AREA D (GSD) 19

Course No.	Hours	Descriptive Title	Time	Days	Place	Instructor
Alton	E. St. Louis	Edwardsville				
202			11:00-11:50	MTu ThF	AUD 100	staff
203			8:00-8:50	MTu ThF	AUD 100	staff
204			2:00-2:50	MTu ThF	ANB 103	staff
205			8:00-8:50	MTu ThF	AUD 102	staff
206			8:00-8:50	MTu ThF	AUD 103	staff
207			8:00-8:50	MTu ThF	HUM 107	staff
208			9:00-9:50	MTu ThF	AUD 102	staff
209			10:00-10:50	MTu ThF	AUD 101	staff
210			10:00-10:50	MTu ThF	AUD 102	staff
211			11:00-11:50	MTu ThF	AUD 102	staff
212			12:00-12:50	MTu ThF	ANB 103	staff
213			12:00-12:50	MTu ThF	AUD 102	staff
214			1:00-1:50	MTu ThF	AUD 101	staff
215			3:00-3:50	MTu ThF	AUD 102	staff
216			4:30-5:20	MTuWTh	AUD 100	staff
217			4:30-5:20	MTuWTh	AUD 102	staff
E218			6:20-8:10	Tu Th	AUD 101	staff
E219			8:20-10:10	Tu Th	AUD 102	staff
E220			6:20-8:10	M W	AUD 100	staff
E221			8:20-10:10	M W	AUD 101	staff
222			2:00-2:50	MTu ThF	S&T 102	staff
223			3:00-3:50	MTuWTh	AUD 101	staff
	401		9:00-9:50	MTu ThF	222	staff
	402		11:00-11:50	MTu ThF	201B	staff
	403		8:00-8:50	MTu ThF	201B	staff
	404		8:00-8:50	MTu ThF	208B	staff
	405		9:00-9:50	MTu ThF	201B	staff
	406		10:00-10:50	MTu ThF	201B	staff
	407		11:00-11:50	MTu ThF	222	staff
	408		12:00-12:50	MTu ThF	201B	staff
	409		1:00-1:50	MTu ThF	222	staff
	410		2:00-2:50	MTu ThF	222	staff
	411		3:00-3:50	MTuWTh	222	staff
	412		4:30-5:20	MTuWTh	222	staff
	413		8:00-8:50	MTu ThF	221	staff
	414		12:00-12:50	MTu ThF	222	staff
	415		3:00-3:50	MTuWTh	201B	staff
	E416		6:20-8:10	M W	220	staff
	E417		8:20-10:10	M W	222	staff
	E418		6:20-8:10	Tu Th	222	staff
	E419		8:20-10:10	Tu Th	222	staff
	E420		6:20-8:10	M W	201B	staff
	E421		8:20-10:10	Tu Th	201B	staff
	422		10:00-10:50	MTu ThF	222	staff
	423		2:00-2:50	MTu ThF	201B	staff
101b-3	English Composition					
	201		2:00-2:50	MTu ThF	SS 106	staff
	202		12:00-12:50	MTu ThF	S&T 102	staff
	E203		6:20-8:10	M W	AUD 101	staff
	E204		8:20-10:10	Tu Th	AUD 101	staff
	401		8:00-8:50	MTu ThF	222	staff
	402		12:00-12:50	MTu ThF	208B	staff
	E403		8:20-10:10	M W	201B	staff
	E404		8:20-10:10	Tu Th	221	staff
103-3	Oral Communication of Ideas					
	E001		8:20-9:35	M W	EJH 101	Cornwell
	201		8:00-8:50	M W F	ANB 201	Hawkins
	202		9:00-9:50	M W F	ANB 201	Smith
	203		9:00-9:50	M W F	ANB 103	White

20 GENERAL STUDIES AREA D (GSD)

Course No.	Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites)	Instructor
Alton	E. St. Louis	Edwardsville			Place	
103-3 Oral Communication of Ideas						
204			10:00-10:50	M W F	ANB 201	Smith
205			10:00-10:50	M W F	ANB 103	White
206			11:00-11:50	M W F	ANB 103	Smith
207			12:00-12:50	M W F	ANB 201	Smith
208			1:00-1:50	M W F	ANB 102	Lyle
209			2:00-2:50	M W F	ANB 102	Lyle
210			3:00-4:15	Tu Th	ANB 201	Kochman
E211			6:20-7:35	M W	ANB 201	Robinson
	401		9:00-9:50	M W F	106	Pritner
	402		9:00-9:50	M W F	208A	Birdman
	403		10:00-10:50	M W F	106	Pritner
	404		11:00-11:50	M W F	106	staff
	405		12:00-12:50	M W F	106	staff
	406		1:00-1:50	M W F	106	staff
	407		2:00-2:50	M W F	106	Pritner
	408		4:20-5:35	M W	106	staff
	E409		6:55-8:10	Tu Th	212	staff
112a-3 Introduction to Mathematics						
201			8:00-8:50	M W F	AUD 200	English
E202			8:20-9:35	Tu Th	SCI 002	Forcade
	401		1:00-1:50	M W F	130	Bennewitz
	E402		6:20-7:35	M W	225	Bennewitz
114a-3 College Algebra						
201			8:00-8:50	M W F	SCI 003	Gwillim
202			3:00-3:50	M WTh	SCI 200	Forcade
E203			8:20-9:35	M W	SCI 002	Holden
	401		1:00-1:50	M W F	225	staff
	402		2:00-2:50	M W F	225	staff
	E403		8:20-9:35	Tu Th	204	staff
114b-3 College Algebra						
201			2:00-2:50	M W F	SCI 103	Forcade
	401		1:00-1:50	M W F	105	Fanning
114c-3 Trigonometry						
201			1:00-2:15	Tu Th	SCI 103	Gwillim
114d-3 Statistics						
201			11:00-12:15	Tu Th	SCI 103	Broadbooks
202			9:00-9:50	M W F	ANB 102	McDonald
	E401		8:20-9:35	M W	204	Luan
123a-3 Elementary French						
201			9:00-9:50	MTu Th	AUD 101	staff
202			11:00-11:50	MTu Th	SCI 003	staff
203			2:00-2:50	MTu Th	S&T 101	staff
E204			6:20-7:35	Tu Th	SS 201	staff
	E401		6:20-7:35	M W	208B	staff
126a-3 Elementary German						
201			9:00-9:50	MTu Th	SCI 003	staff
202			11:00-11:50	MTu Th	SCI 102	staff
203			2:00-2:50	MTu Th	SCI 102	staff
E204			6:20-7:35	Tu Th	SCI 003	staff
	401		9:00-9:50	MTu Th	208B	staff
	402		11:00-11:50	MTu Th	208B	staff
	403		2:00-2:50	MTu Th	208B	staff
	E404		6:20-7:35	Tu Th	208B	staff
136a-3 Elementary Russian						
201			1:00-2:15	Tu Th	HUM 107	staff
	401		9:00-9:50	MTu Th	112	staff
	E402		6:20-7:35	M W	208A	staff

Course No.	Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites)	Instructor
Alton	E. St. Louis	Edwardsville			Place	
140a-3	Elementary Spanish					
201			11:00-11:50	MTu Th	ANB 102	staff
202			3:00-3:50	MTu Th	AUD 103	staff
	401		1:00-1:50	MTu Th	208B	staff
	E402		6:20-7:35	Tu Th	106	staff

GENERAL STUDIES AREA E—HEALTH AND PHYSICAL DEVELOPMENT (GSE)

101a-1	Swimming: Beginning Swimming (Men)					
201			11:00-12:50	M W	GYM 102	Hatheway
	401		11:00-12:50	Tu Th	009 Gym	Moehn
102-1	Physical Fitness (Men)					
201			9:00-9:50	Tu Th	GYM 102	Hatheway
202			9:00-9:50	M W	GYM 102	Hatheway
	401		10:00-10:50	Tu Th	009 Gym	Moehn
103a-1	Dance: Square Dance (Men)					
E201			6:20-8:10	Th	GYM 102	staff
103b-1	Dance: Folk Dance (Men)					
201			10:00-10:50	M W	GYM 102	Carpenter
	401		1:00-1:50	M W	009 Gym	staff
103c-1	Dance: Social Dance (Men)					
201			2:00-2:50	Tu Th	GYM 102	staff
	401		1:00-1:50	Tu Th	009 Gym	Carpenter
104d-1	Individual and Team Activity: Bowling (Men)					
201			9:00-9:50	W F	GYM 102	Showers
202			10:00-10:50	W F	GYM 102	Showers
	401		9:00-9:50	Tu Th	009 Gym	Showers
104e-1	Individual and Team Activity: Golf (Men)					
201			2:00-2:50	Tu Th	GYM 102	Hatheway
104f-1	Individual and Team Activity: Soccer (Men)					
201			12:00-12:50	Tu Th	GYM 102	Hatheway
202			2:00-2:50	M W	GYM 102	Hatheway
	401		2:00-2:50	Tu Th	009 Gym	Moehn
104t-1	Individual and Team Activity: Touch Football (Men)					
401			1:00-1:50	Tu Th	009 Gym	Moehn
111a-1	Swimming: Beginning Swimming (Women)					
201			11:00-12:50	M W	GYM 102	Archangel
	401		11:00-12:50	Tu Th	009 Gym	Moehn
111b-1	Swimming: Intermediate Swimming (Women)					
201			11:00-12:50	M W	GYM 102	Archangel
	401		11:00-12:50	Tu Th	009 Gym	Moehn
113a-1	Dance: Square Dance (Women)					
E201			6:20-8:10	Th	GYM 102	staff
113b-1	Dance: Folk Dance (Women)					
201			10:00-10:50	M W	GYM 102	Carpenter
	401		1:00-1:50	M W	009 Gym	staff
113c-1	Dance: Social Dance (Women)					
201			2:00-2:50	Tu Th	GYM 102	staff
	401		1:00-1:50	Tu Th	009 Gym	Carpenter
113d-1	Dance: Beginning Contemporary Dance (Women)					
201			11:00-11:50	M W	GYM 102	Carpenter
	401		11:00-11:50	Tu Th	009 Gym	Carpenter
114b-1	Individual and Team Activity: Badminton (Women)					
401			9:00-9:50	M W	009 Gym	staff
114d-1	Individual and Team Activity: Bowling (Women)					
201			9:00-9:50	W F	GYM 102	Showers
	401		9:00-9:50	Tu Th	009 Gym	Showers

22 GENERAL STUDIES AREA E (GSE)

Course No.	Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites)	Instructor
Alton	E. St. Louis	Edwardsville			Place	
114f-1		Individual and Team Activity: Soccer (Women)				
201			1:00-1:50	Tu Th	GYM 102	staff
	401		10:00-10:50	M W	009 Gym	staff
114h-1		Individual and Team Activity: Tennis (Women)				
201			9:00-9:50	Tu Th	GYM 102	staff
202			11:00-11:50	Tu Th	GYM 102	staff
114n-1		Individual and Team Activity: Hockey (Women)				
201			3:00-3:50	M W F	GYM 102	staff
201-3		Healthful Living				
201			10:00-10:50	M W F	AUD 200	Spear
E202			5:30-8:10	Th	ANA 104	Spear
	401		1:00-1:50	M W F	115	Klein
	E402		4:55-6:10	M W	115	Klein

ACCOUNTING (ACCT)

251a-4		Elementary Accounting I				
	E001		8:20-10:10	M W	EJH 204	Bedel
	201		8:00-8:50	MTu ThF	ANA 100	Schmitt
	202		11:00-11:50	MTu ThF	ANA 100	Milles
	203		2:00-2:50	MTu ThF	ANA 100	Schuchardt
	E204		6:20-8:10	M W	ANA 101	Dwyer
	E205		6:20-8:10	Tu Th	ANA 100	Schuchardt
	E206		8:20-10:10	Tu Th	ANA 100	staff
	401		8:00-8:50	MTu ThF	203	Bedel
	402		11:00-11:50	MTu ThF	203	Small
	403		1:00-1:50	MTu ThF	205	Terre
	E404		6:20-8:10	M W	104	Terre
	E405		8:20-10:10	Tu Th	205A	Bedel
251b-4		Elementary Accounting II				
	201		12:00-12:50	MTu ThF	ANA 100	Schuchardt
	E401		8:20-10:10	M W	203	Terre
251c-4		Elementary Accounting III				
	201		1:00-1:50	MTu ThF	ANA 108	Schmitt
	E401		8:20-10:10	M W	208B	staff
331-5		Tax Accounting				
	201		9:00-9:50	MTuWThF	ANA 100	Dwyer
	E401		5:55-8:10	M W	203	Small
341-3		Cost Accounting				
	E201		5:30-8:10	Tu	ANA 108	Milles
	401		1:00-1:50	MTu Th	203	Small
351a-4		Advanced Accounting I				
	201		10:00-10:50	MTu ThF	S&T 101	Milles
	E202		8:20-10:10	M W	ANA 100	staff
	401		9:00-9:50	MTu ThF	203	Davison
	E402		8:20-10:10	Tu Th	103	Davison
355-3		Governmental Accounting				
	201		10:00-10:50	M W F	ANA 111	Dwyer
356-5		Auditing				
	E201		5:55-8:10	M W	ANA 100	staff
	E401		5:55-8:10	Tu Th	221	Davison

ANTHROPOLOGY (ANTH)

300-4		Man's Place in Nature				
	401		8:00-8:50	MTuWTh	103	staff
304-4		The Origins of Civilization				
	401		10:00-10:50	MTuWTh	210	Culbert
309-4		Peoples and Cultures of Asia and Oceania				
	401		1:00-1:50	MTuWTh	201B	Culbert
314-4		Indians of North America				
	201		9:00-9:50	MTuWTh	SS 201	E. Schusky

FALL **APPLIED SCIENCE (AP S) 23**

FALL **APPLIED SCIENCE (AP S) 23**

Course No.-Hours	Descriptive Title	(See page 14 for Prerequisites)			
Alton	E. St. Louis	Edwardsville	Time	Days	Place
					Instructor

APPLIED SCIENCE (AP S)

101a-3	Graphics							
	201	8:00-9:50	M	W	F	ANA 108	Bishop	
	202	10:00-11:50	M	W	F	ANA 108	Bishop	
	E203	6:20-9:10	M	W		ANA 108	Bishop	
	401	3:00-4:50	M	W	F	203	staff	
	E402	6:20-9:10		Tu	Th	203	staff	
260a-3	Analytical Mechanics							
	E001	8:20-9:35	M	W		EJH 205	Shaw	

ART (ART)

100a-5	Basic Studio						
	201		12:00-1:50	MTuWTh	FAA 102	staff	
			12:00-12:50	F	FAA 102	staff	
	E202		6:20-9:50	M W	FAA 102	Marcell	
		401	1:00-2:50	MTu ThF	214	Milovich	
			1:00-1:50	W	214	Milovich	
201a-4	Drawing and Composition						
	201		9:00-10:50	MTuW F	FAA 102	staff	
	E202		6:20-9:50	Tu Th	FAA 202	Huntley	
203a-4	Beginning Ceramics						
	201		10:00-11:50	MTuW F	Gym 005	Howerton	
300a-4	Art Education						
	201		8:00-9:50	M W F	FAA 203	staff	
	202		1:00-2:50	M W F	FAA 203	Buddemeyer	
		401	10:00-11:50	M W F	214	Milovich	
300b-4	Art Education						
		401	4:20-6:50	M W	214	staff	
300c-4	Art Education						
	201		3:00-4:50	M W F	FAA 203	Buddemeyer	
305a-4	Advanced Ceramics						
	E201		6:20-9:50	M W	Gym 005	Howerton	
310a-4	Oil Painting						
	201		3:00-4:50	MTuWTh	FAA 202	Huntley	
325a-4	Studio						
	201		Arranged			staff	
358a-4	Prints						
	201		1:00-2:50	MTuWTh	FAA 103	Richardson	
393a-4	Sculpture						
	201		1:00-2:50	MTuW F	SCI 015	Marcell	
401a-4	Research in Art						
	201		Arranged			staff	

BOTANY (BOT)

101-5	General Botany						
	Lect	10:00-10:50	M	W	F	115	Hewitson
	Lab 401	10:00-11:50	Tu	Th		116	Hewitson
320-5	Elements of Plant Physiology						
	Lect	10:00-10:50	M	W	F	SCI 102	Brown
	Lab 201	10:00-11:50	Tu	Th		SCI 110	Brown
404-5	The Algae						
	Lect	6:00-7:15	M	W		116	Hewitson
	Lab E401	7:25-9:15	M	W		116	Hewitson

BUSINESS EDUCATION (BSED)

201a-3	Typewriting I					
201		10:00-10:50	MTuW	F	ANA 103	staff
E202		8:20-10:10	Tu	Th	ANA 103	staff

24 BUSINESS EDUCATION (BSED)

Course No.-Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites)	Instructor
Alton	E. St. Louis	Edwardsville		Place	
201a-3	Typewriting I				
	401	9:00-9:50	MTu ThF	223	Motley
	E402	8:20-10:10	M W	223	staff
201c-3	Typewriting III				
	201	11:00-11:50	MTuW F	ANA 103	Palmer
	E202	8:20-10:10	M W	ANA 103	Frost
	401	11:00-11:50	MTuWTh	223	Houser
	E402	8:20-10:10	M W	223	staff
221a-4	Shorthand I				
	201	9:00-9:50	MTuW F	ANA 103	Palmer
	E202	6:20-8:10	Tu Th	ANA 103	Frost
	401	10:00-10:50	MTu ThF	223	Motley
	E402	6:20-8:10	M W	223	staff
241-2	Duplicating				
	201	8:00-8:50	W F	ANA 103	staff
	E401	6:20-8:10	M	223	Motley
324a-4	Shorthand IV				
	201	1:00-1:50	MTu ThF	ANA 103	Brady
	E202	6:20-8:10	M W	ANA 103	Frost
	401	1:00-1:50	MTu ThF	223	staff
	E402	6:20-8:10	Tu Th	223	Martin
341-4	Office Machines				
	201	2:00-2:50	MTu ThF	ANA 111	Brady
404-3	Teaching Shorthand and Transcription				
	E201	5:30-8:10	Tu	ANA 111	Palmer
407-4	Office Management				
	E401	8:20-10:10	Tu Th	208A	Martin
408-3	Teaching Bookkeeping and Accounting				
	E401	5:30-8:10	Tu	208A	Houser

CHEMISTRY (CHEM)

111a-5	Chemical Principles and Inorganic Chemistry				
Student enrolls in one lecture and one lab					
Lect		8:00-8:50	M W F	SCI 200	Cliff
Lect		12:00-12:50	M W F	SCI 200	Parrill
Lab 201		8:00-8:50	Th	SCI 201	Cliff
		8:00-10:50	Tu	SCI 205	Cliff
Lab 202		8:00-8:50	Tu	SCI 201	Bardolph
		8:00-10:50	Th	SCI 205	White
Lab 203		12:00-12:50	W	SCI 201	Cliff
		12:00-2:50	M	SCI 205	Cliff
Lab 204		12:00-12:50	Th	SCI 201	Cliff
		12:00-2:50	Tu	SCI 205	Firsching
Lab 205		12:00-12:50	Tu	SCI 201	Cliff
		12:00-2:50	Th	SCI 205	Parrill
Lab 206		8:00-8:50	M	SCI 201	Bardolph
		8:00-10:50	W	SCI 205	Bardolph
Lab 207		8:00-8:50	W	SCI 201	White
		8:00-10:50	M	SCI 205	White
	Lect	8:00-8:50	MTu ThF	115	Probst
	Lect	12:00-12:50	MTu ThF	115	Stallard
	Lab 401	1:00-3:50	M	125	Rands
	Lab 402	1:00-3:50	Tu	125	Stallard
	Lab 403	1:00-3:50	W	125	Probst
	Lab 404	1:00-3:50	Th	125	Stallard
311-3	Intermediate Inorganic Chemistry				
	201	11:00-12:15	M W	SCI 206	Firsching
336a-4	Analytical Chemistry				
Student enrolls in one lecture and one lab					

FALL

CHEMISTRY (CHEM) 25

Course No.	Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites)	Instructor
Alton	E. St. Louis	Edwardsville			Place	
Lect			3:00-3:50	Tu Th	SCI 201	Firsching
Lab 201			1:00-3:50	M W	SCI 206	Firsching
Lab 202			8:00-10:50	Tu Th	SCI 206	Firsching
	Lect		10:00-10:50	Tu Th	112	Chang
	Lab 401		8:00-10:50	M W	125	Chang
	Lab 402		1:00-3:50	M W	125	Chang
	Lab 403		1:00-3:50	Tu Th	125	Rands
341a-4 Organic Chemistry						
Lect			1:00-1:50	M W F	SCI 201	Bardolph
Lab 201			1:00-3:50	Tu	SCI 206	Bardolph
Lab 202			1:00-3:50	Th	SCI 206	Bardolph
	Lect		10:00-10:50	M W F		Probst
	Lab 401		8:00-10:50	Tu	123	Stallard
	Lab 402		1:00-3:50	M	123	Probst
	Lab 403		1:00-3:50	W	123	Probst
375-0 to 1 Chemistry Seminar						
201			4:00-4:50	M	SCI 201	White
	401		Arranged			Probst
412-3 Inorganic Preparation						
Lect			12:00-12:50	W	201A	Stallard
Lab 401			1:00-3:50	Tu Th	123	Stallard
460-5 Theoretical Chemistry						
Lect			11:00-11:50	MTuW F	SCI 201	Parrill
Lab 201			9:00-11:50	Th	SCI 203	Parrill
461a-4 Physical Chemistry						
Lect			1:00-1:50	M W F	SCI 103	White
Lab 201			1:00-3:50	Tu	SCI 203	White
	Lect		5:55-7:15	M W	123	Rands
	Lab 401		8:00-10:50	Saturday	123	Rands
	Lab 402		Arranged			Rands

COMPARATIVE LITERATURE (C LT)

300a-4	Survey of Comparative Literature	
201	Arranged	Guenther

ECONOMICS (ECON)

210-5	Principles of Economics	
201	10:00-10:50	MTuWThF ANA 104 Schwier
E202	5:55-8:10	M W SCI 102 Scott
	401	11:00-11:50 MTuWThF 115 Luan
	E402	5:55-8:10 Tu Th 204 staff
307-4	Economic and Business Statistics I	
201	9:00-9:50	MTuWThF ANA 101 Schwier
310-4	Labor Problems	
E201	6:20-8:10	Tu Th ANB 201 VanDahm
	401	3:00-3:50 MTu ThF 104 staff
315-4	Money & Banking I	
201	10:00-10:50	M W F SCI 103 VanDahm
		10:00-10:50 Tu AUD 100 VanDahm
	E401	8:20-10:10 Tu Th 205 staff
328-4	International Economics I	
	E401	6:20-8:10 M W 221 Luan
330-4	Public Finance 1: National	
	401	2:00-2:50 M 201A Cohen
		2:00-2:50 Tu ThF 103 Cohen
440-4	Intermediate Micro Theory	
	401	12:00-1:50 Tu Th 106 Cohen
441-4	Intermediate Macro Theory	
201	11:00-12:50	M W AUD 101 VanDahm

26 ECONOMICS (ECON)

Course	No.-Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites)	Instructor
Alton	E. St. Louis	Edwardsville			Place	
450-3	History of Economic Thought					
	E201		5:30-8:10	W	ANB 202	Scott
470-3	Business Cycles					
	E201		5:30-8:10	Tu	ANB 103	McDonald
481-3	Comparative Economic Systems					
	E401		5:30-8:10	M	201A	staff

EDUCATION ADMINISTRATION (EDAD)

355-4	Philosophy of Education					
	201		10:00-10:50	MTuWTh	ANB 102	Curry
	202		4:20-6:10	M W	SS 201	Curry
	203		11:00-12:50	Tu Th	SCI 200	staff
	401		10:00-11:50	Tu Th	106	Lee
	E402		8:20-10:10	Tu Th	104	staff
456-4	School Supervision					
	E201		5:30-8:10	M	ANB 202	Wheat
			4 additional sessions to be arranged			
500-4	Research Methods					
	E001		5:30-8:10	W	EJH 202	Steinkellner
	E201		5:30-8:10	Th	AUD 103	Johnson
502-4	Seminar in Comparative Education					
	E001		5:30-8:10	M	EJH 205	Southwood
520-4	Illinois School Law					
	E401		5:30-8:10	Tu	201B	Smith
524-4	School Administration					
	E001		5:30-8:10	W	EJH 201	Brubaker
533-4	School Buildings					
	E001		5:30-8:10	M	EJH 204	Wilkins
534-4	School Finance					
	E001		5:30-8:10	Th	EJH 207	Wilkins
554-4	Contrasting Philosophies of Education					
	201		9:00-11:40	Saturday	SCI 003	Wheat
	E401		5:30-8:10	M	205	Lee
565-4	The Junior College					
	E001		5:30-8:10	Th	EJH 208	Wheat

EDUCATION ELEMENTARY (EDEL)

203-3	Understanding the Elementary School Child					
	201		1:00-1:50	M W	SCI 003	Carpenter
	401		1:00-1:50	Tu Th	105	Kelley
313-4	Children's Literature					
	201		4:20-6:10	M W	AUD 101	Carpenter
314-4	Elementary School Methods					
	E001		8:20-10:10	M W	EJH 102	Kelley
	201		11:00-12:50	Tu Th	AUD 101	Carpenter
337-4	Reading in the Elementary Schools					
	401		2:00-3:50	M W	103	Steinkellner
350d-8 to 12	Kindergarten-Primary Student Teaching					
	201		Arranged			staff
	401		Arranged			staff
350e-4 to 8	Advanced Kindergarten-Primary Student Teaching					
	201		Arranged			staff
	401		Arranged			staff
351d-8 to 16	Elementary Student Teaching					
	201		Arranged			staff
	401		Arranged			staff
351e-4 to 8	Advanced Elementary Student Teaching					
	201		Arranged			staff
	401		Arranged			staff

FALL**EDUCATION ELEMENTARY (EDEL) 27**

Course No.-Hours	Descriptive Title	Time	Days	Place	Instructor
Alton	E. St. Louis	Edwardsville			
415-4	Improvement of Instruction in Arithmetic in the Elementary School				
201		4:20-6:50	M	SCI 103	Steinbrook
		4 additional sessions to be arranged			
437-4	Problems in Reading				
	E001	5:30-8:10	Th	EJH 103	Bear
		4 additional sessions to be arranged			
505-4	Improvement of Reading Instruction				
	E401	5:30-8:10	Th	103	Steinkellner
542-4	Language Arts in the Elementary School				
201		9:00-11:40	Saturday	SCI 102	Bear
557-4	The Elementary Principalship				
	E001	5:30-8:10	W	EJH 102	Bear
561-4	The Elementary School Curriculum				
	E401	5:30-8:10	W	212	Lee

EDUCATION SECONDARY (ED S)

315-4	High School Methods				
		E001	8:20-10:10	M W	EJH 104
	201		12:00-12:50	MTuWTh	ANA 108
	401		2:00-3:50	Tu Th	221
352d-8 to 12	Secondary Student Teaching				
201	401	Arranged	Agriculture		staff
202	402	Arranged	Art		staff
203	403	Arranged	Biology		staff
204	404	Arranged	Business		staff
205	405	Arranged	Chemistry		staff
206	406	Arranged	Economics		staff
207	407	Arranged	English		staff
208	408	Arranged	Foreign Language		staff
209	409	Arranged	General Science		staff
210	410	Arranged	Geography		staff
211	411	Arranged	Government		staff
212	412	Arranged	Health Education		staff
213	413	Arranged	History		staff
214	414	Arranged	Home Economics		staff
215	415	Arranged	Industrial Education		staff
216	416	Arranged	Journalism		staff
217	417	Arranged	Mathematics		staff
218	418	Arranged	Music		staff
219	419	Arranged	Physical Education		staff
220	420	Arranged	Physics		staff
221	421	Arranged	Sociology		staff
222	422	Arranged	Social Studies		staff
223	423	Arranged	Speech		staff
224	424	Arranged	Library Service		staff
225	425	Arranged	Psychology		staff
226	426	Arranged	School Nursing		staff
352e-4 to 8	Secondary Student Teaching				
	(See above listing under 352d)				
	201-226	401-426	Arranged		staff
407-4	The Junior High School				
	E001	5:30-8:10	W	EJH 107	Hileman
		4 additional sessions to be arranged			
487-4	Teaching the Natural Sciences in Secondary Schools				
	E001	5:30-8:10	Th	EJH 202	Bliss
		4 additional sessions to be arranged			
488-4	Teaching the Social Studies in Secondary Schools				
	E001	5:30-8:10	Th	EJH 201	Smith
		4 additional sessions to be arranged			

28 EDUCATION SECONDARY (ED S)

Course No.	Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites) Place	Instructor
Alton	E. St. Louis	Edwardsville				
505-4		Improvement of Reading Instruction				
	E401		5:30-8:10	M	103	Steinkellner
508-4		Seminar: Trends in Selected Areas in Secondary Schools				
	E001		5:30-8:10	W	EJH 203	Bliss
562-4		Workshop in High School Curriculum				
	E001		5:30-8:10	M	EJH 201	Smyers
570-4		Extra-Class Activities				
	E001		5:30-8:10	Th	EJH 206	Schnabel

EDUCATION SPECIAL (SP E)

410-4		Problems and Characteristics of the Mentally Retarded				
	401		4:20-6:50	Th	212	Tucker
		4 additional sessions to be arranged				
412-4		Education of Gifted Children				
	E001		5:30-8:10	M	EJH 103	Matthews
		4 additional sessions to be arranged				
413-4		Directed Observation of Exceptional Children				
	401		4:20-6:50	Th	212	Tucker
		4 additional sessions to be arranged				
414-4		The Exceptional Child				
	E401		5:30-8:10	Tu	104	Tucker
		4 additional sessions to be arranged				
428-4		Speech Correction for the Classroom Teacher (Same as Sp C 428)				
	E201		5:30-8:10	Th	ANB 103	staff
		4 additional sessions to be arranged				

ENGLISH (ENG)

300-4		Principles of English Grammar				
	201		12:00-12:50	MTu ThF	AUD 100	VanSyoc
	401		4:30-5:20	MTu ThF	208B	Austin
	E402		6:20-8:10	M W	222	Wood
302a-4		Survey of English Literature				
	201		10:00-10:50	MTu ThF	SCI 003	Duncan
	E202		6:20-8:10	Tu Th	AUD 102	M. Taylor
	401		10:00-10:50	MTu ThF	221	Allen
309b-4		Survey of American Literature				
	201		2:00-2:50	MTu ThF	ANB 201	Zanger
391-3		Usage in Spoken and Written English				
	201		4:30-5:20	MTu Th	SCI 003	VanSyoc
404b-4		Middle English Literature				
	201		11:00-11:50	MTu ThF	ANB 201	Mogan
412c-4		English Non-dramatic Literature (18th Century)				
	401		1:00-2:50	M W	208A	Graham
420b-4		American Poetry (Modern)				
	401		1:00-2:50	Tu Th	225	Doepke
458a-4		American Fiction (Novel)				
	401		11:00-12:50	Tu Th	221	Austin
458b-4		American Fiction (Contemporary American)				
	201		1:00-2:50	M W	AUD 102	Joost
460a-4		Drama (Elizabethan)				
	401		12:00-1:50	M W	221	Revard
485-4		Problems in the Teaching of English				
	201		4:30-5:20	MTu ThF	SCI 200	Steinman
500-2		Materials and Methods of Research in English				
	201		Arranged			staff
505b-4		Studies in English Literature				
	E401		8:20-10:10	M W	221	Myron Taylor

Course No.	Hours	Descriptive Title	(See page 14 for Prerequisites)			
Alton	E. St. Louis	Edwardsville	Time	Days	Place	Instructor

FOREIGN LANGUAGES

French (Fr)

123a-1	French Conversation							
	201	9:00–9:50			F	AUD 101	staff	
	202	11:00–11:50			F	SCI 003	staff	
	203	2:00–2:50			F	S&T 101	staff	
	E204	7:45–8:10	Tu	Th		SS 201	staff	
	E401	7:45–8:10	M	W		208B	staff	
201a-3	Intermediate French							
	201	10:00–10:50	M	W	F	HUM 107	staff	
220-2	Intermediate French Conversation							
	201	10:00–10:50	Tu	Th		HUM 107	staff	
301a-4	French Literature from the 18th Century to the Contemporary Period							
	201	1:00–1:50	MTu	ThF		AUD 103	staff	
311a-3	French Culture and Civilization							
	201	11:00–11:50	M	W	F	HUM 206	Pellegrino	

German (Ger)

126a-1	German Conversation						
201		9:00-9:50		F	SCI 003	staff	
202		11:00-11:50		F	SCI 102	staff	
203		2:00-2:50		F	SCI 102	staff	
E204		7:45-8:10	Tu Th		SCI 003	staff	
	401	9:00-9:50		F	208B	staff	
	402	11:00-11:50		F	208B	staff	
	403	2:00-2:50		F	208B	staff	
	E404	7:45-8:10	Tu Th		208B	staff	
201a-3	Intermediate German						
201		9:00-9:50	M W F		HUM 107	staff	
	401	10:00-10:50	M W F		208B	staff	
220-2	Intermediate German Conversation						
201		9:00-9:50	Tu Th		HUM 107	staff	
	401	10:00-10:50	Tu Th		208B	staff	
311a-3	German Culture and Civilization						
201		1:00-2:15	M W		HUM 206	Guenther	
316a-4	German Literature from Romanticism to Modern Times						
201		11:00-12:50	M W		HUM 107	staff	

Russian (Russ)

136a-1	Russian Conversation	201	1:00-1:50		F	HUM 107	staff
		401	9:00-9:50		F	112	staff
		E402	7:45-8:10	M	W	208A	staff
201a-3	Intermediate Russian	201	11:00-11:50	Tu	ThF	HUM 107	M. Smith

Spanish (Span)

140a-1	Spanish Conversation						
	201	11:00-11:50		F	ANB	102	staff
	202	3:00-3:50		F	AUD	103	staff
	401	1:00-1:50		F	208B		staff
	E402	7:45-8:10	Tu Th		106		staff
201a-3	Intermediate Spanish						
	201	10:00-10:50	M W F		AUD	103	staff
	401	10:00-10:50	M W F		124A		staff
220-2	Intermediate Spanish Conversation						
	201	10:00-10:50	Tu Th		AUD	103	staff

30 FOREIGN LANGUAGES (SPAN)

Course No.	Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites)	Instructor
Alton	E. St. Louis	Edwardsville			Place	
220-2	Intermediate Spanish Conversation					
	401	10:00-10:50	Tu Th	124A	staff	
301b-4	Spanish Literature from the Medieval Period through Romanticism					
	201	1:00-2:50	M W	HUM 107	Goode	
304a-4	Modern Spanish Literature					
	401	2:00-3:50	Tu Th	201A	staff	

GEOGRAPHY (GEOG)

310a-3	Introduction to Cartographic Methods					
	401	8:00-9:50	Tu Th	397-001	Collier	
405a-4	Advanced Economic Geography II					
	E401	6:20-8:10	M W	397-001	Mookerjee	
406a-4	Advanced Cultural Geography I					
	201	9:00-9:50	MTuW F	ANA 110	staff	
416a-4	Advanced Cartography					
	401	1:00-2:50	Tu Th	397-001	Guffy	
461a-4	Advanced Regional Geography: Anglo-America					
	E201	8:20-10:10	M W	ANA 110	staff	
	401	11:00-11:50	MTuW F	105	Snaden	
464a-4	Advanced Regional Geography: Soviet World					
	401	12:00-12:50	MTuW F	105	Snaden	
465a-4	Advanced Regional Geography: Africa					
	E401	8:20-10:10	M W	105	Mookerjee	
467a-4	Advanced Regional Geography: Latin America					
	201	10:00-10:50	MTuW F	ANA 110	Koepeke	
467b-3	Advanced Regional Geography: Latin America					
	E401	6:20-8:10	Tu Th	105	staff	
470a-4	Planning Concepts and Methods (Same as Govt. 470a)					
	201	Arranged			Lossau	
522-2 to 6	Seminar in Regional Geography					
	E201	8:20-9:10	Tu Th	ANA 110	Baker	
530-2 to 6	Independent Studies in Geography					
	201	Arranged			Baker	
	401	Arranged			Collier	

GOVERNMENT (GOVT)

210-4	American Government					
	E201	6:20-8:10	Tu Th	ANA 101	Kerr	
	202	10:00-10:50	MTuWTh	ANA 101	Glaser	
	401	8:00-8:50	MTuWTh	106	Schwab	
243-3	Introduction to American Foreign Policy					
	201	2:00-3:15	M W	AUD 100	Glaser	
315-3	Administration of Justice					
	201	9:00-9:50	MTu Th	SS 106	Kerr	
330-2	Illinois Government					
	E401	5:30-7:20	Tu	103	Schwab	
360-4	Introduction to Public Administration					
	E201	6:20-8:10	M W	S&T 101	Stettin	
	401	10:00-10:50	MTuWTh	103	Schwab	
379-3	The Development of Political Parties					
	401	12:00-1:15	Tu Th	208A	Goodman	
380-4	Political Parties					
	401	9:00-9:50	MTuWTh	205	Goodman	
390a-4	Comparative European Governments					
	201	1:00-1:50	MTuWTh	SS 106	Glaser	
390b-4	Comparative European Governments					
	401	10:00-10:50	MTuWTh	104	Stahnke	
458a-4	Government and Politics of Asia					
	401	12:00-12:50	MTuWTh	103	Stahnke	

Course No.	Hours	Descriptive Title	Time	Days	Place	Instructor
Alton	E. St. Louis	Edwardsville				
470a-4		Planning Concepts and Methods (Same as Geog. 470a)				
201		Arranged				Lossau
484a-4		History of Western Political Theory				
201		10:00-10:50	MTuWTh		SS 106	Mace
487a-4		American Political Ideas				
E201		5:30-8:10	M		SS 106	Mace
495a-4		American Constitutional Law				
201		11:00-11:50	MTuWTh		SS 106	Kerr
512-2 to 9		Seminar in Public Administration				
	001	Arranged				Mann

GUIDANCE (GUID)

305-4	Educational Psychology					
		E001	8:20-10:10	M W	EJH 201	staff
	201		11:00-11:50	MTuWTh	S&T 101	staff
	202		1:00-2:50	Tu Th	AUD 102	Moore
	E203		8:20-10:10	M W	SCI 102	Kuenzli
	401		11:00-12:50	Tu Th	104	Evans
	402		2:00-3:50	Tu Th	112	Reed
	403		4:20-6:10	M W	105	staff
412-4	Mental Hygiene (Meets with Psyc 432)					
	201		4:20-6:10	Tu Th	ANA 101	staff
	401		9:00-11:40	Saturday	103	Moore
			4 additional sessions to be arranged			
420-4	Educational Statistics					
		E001	5:30-8:10	M	EJH 203	Brinkmann
			4 additional sessions to be arranged			
422-4	Educational Measurements I					
	201		4:20-6:10	M W	ANA 101	Johnson
	202		1:00-2:50	Tu Th	SCI 003	staff
	401		9:00-11:40	Saturday	115	Russo
			4 additional sessions to be arranged			
	402		4:20-6:10	Tu Th	204	Loper
426-4	Individual Inventory					
	401		9:00-12:00	Saturday	204	Sonstegard
511-4	Educational Implications of Learning Theories (Meets with Psyc 407)					
		E001	5:30-8:10	W	EJH 101	Brinkmann
515-4	Psychological Aspects of Education					
	E201		5:30-8:10	M	SCI 003	Sonstegard
520-4	Advanced Educational Statistics					
		E001	5:30-8:10	Th	EJH 204	Brinkmann
522-4	Educational Measurements II					
		E001	5:30-8:10	W	EJH 104	Taliana
525-4	School Behavior Problems and their Prevention					
	401		9:00-12:00	Saturday	204	Sonstegard
537-4	Counseling Theory and Practice I					
	E201		5:30-8:10	Th	ED 106	Soper
541-4	Occupational Information and Guidance					
	E201		5:30-8:10	M	AUD 102	staff
542-4	Basic Principles of Guidance					
		E001	5:30-8:10	Th	EJH 203	Davis
	E201		5:30-8:10	Tu	AUD 103	Soper
	E401		5:30-8:10	M	212	Eversull
543-4	Guidance Through Groups (Meets with Psyc 465)					
		E001	5:30-8:10	Th	EJH 104	Sonstegard
545f-4	Seminar in Guidance: Pupil Adjustment					
	401		9:00-12:00	Saturday	204	Sonstegard
545j-4	Seminar in Guidance: Organization and Administration					
	E401		5:30-8:10	Tu	115	Eversull

32 GUIDANCE (GUID)

Course	No.-Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites)	Instructor
Alton	E. St. Louis	Edwardsville			Place	
562b-4	Adolescent Development in Education					
	E401	5:30-8:10		Th	104	Troyer

HEALTH EDUCATION (H ED)

460-4	Methods and Materials in Secondary School Health Education					
	E201	5:30-8:10	M		SCI 002	Spear
		4 additional sessions to be arranged				

HISTORY (HIST)

100-3	Survey of Western Civilization					
	E201	6:20-7:35	Tu Th		AUD 100	Keleher
	E401	6:20-7:35	Tu Th		112	Steckling
201a-4	History of the United States					
	201	12:00-12:50	MTuWTh		AUD 103	Riddleberger
	E202	8:20-10:10	Tu Th		AUD 103	Weiss
	401	9:00-9:50	MTuWTh		205A	McCurry
	E402	8:20-10:10	M W		205A	Rosenthal
201b-4	History of the United States					
	201	11:00-11:50	MTuWTh		AUD 103	Weiss
	202	2:00-2:50	MTuWTh		AUD 103	Riddleberger
	401	2:00-2:50	MTuWTh		205A	Rosenthal
312-4	Central Europe in the Nineteenth Century					
	401	9:00-9:50	Tu Th		103	Keleher
		10:00-10:50	Tu Th		115	Keleher
332a-4	Medieval History					
	401	8:00-8:50	MTuWTh		112	Steckling
365-4	History of Chinese Civilization					
	201	9:00-10:50	Tu Th		ANB 201	staff
411b-3	Intellectual History of the United States					
	201	10:00-10:50	M WTh		HUM 206	Rosenthal
420-4	The French Revolution					
	201	2:00-2:50	M WThF		AUD 101	Gallaher
428-4	Age of Jackson					
	E201	6:20-8:10	M W		AUD 103	Riddleberger
432a-4	Advanced English History					
	401	12:00-12:50	M WThF		220	Haas
432c-4	Advanced English History					
	E401	6:20-8:10	M W		112	Haas
440a-3	History of American Diplomacy					
	201	9:00-9:50	M W F		AUD 103	Weiss
451-3	Historiography					
	401	10:00-10:50	M WTh		205	Erickson
452-3	Historical Research and Thesis Writing					
	201	1:00-2:15	Tu Th		HUM 206	Keleher
500-4	History Seminar					
	E001	6:20-8:10	Th		EJH 102	Gallaher
		additional sessions to be arranged				
519-4	The Age of Jefferson					
	E001	6:20-8:10	M Th		EJH 101	McCurry

HUMANITIES (HUM)

301-3	Humanities Honors					
	201	Arranged				Joost

INSTRUCTIONAL MATERIALS (IM)

306-4	School Libraries as Information Centers					
	201	4:20-6:10	M W		AUD 103	staff
417-4	Audio-Visual Methods in Education					
	201	1:00-2:50	Tu Th		SCI 002	Madison

Course	No.-Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites)	Instructor
Alton	E. St. Louis	Edwardsville			Place	
	202		4:20-6:10	Tu Th	SCI 002	Madison
	203		9:00-11:40	Saturday	SCI 002	staff
			4 additional sessions to be arranged			
		401	4:20-6:10	M W	104	Wagner
		402	9:00-11:40	Saturday	104	Madison
			4 additional sessions to be arranged			

JOURNALISM (JRNL)

201a-3	Newswriting and Editing					
	201	2:00-2:50	M		ANA 103	Lee
		1:00-2:50		W	ANA 103	Lee
345-3	History of Journalism					
	201	1:00-2:15	Tu Th		SU 212	Lee
370-4	Principles of Advertising (Same as Mktg 333)					
	201	2:00-2:50	MTu ThF		ANA 108	Pinkstaff

MANAGEMENT (MGT)

170-4	Introduction to Business Administration					
		E001	8:20-10:10	M W	EJH 103	staff
	201		8:00-8:50	MTuWTh	SCI 002	McKinney
	202		2:00-2:50	MTu ThF	ANA 104	staff
	E203		8:20-10:10	M W	ANA 104	Cutright
	E204		6:20-8:10	Tu Th	SCI 102	staff
		401	9:00-9:50	MTu ThF	104	staff
		402	2:00-2:50	MTu ThF	205	staff
		E403	6:20-8:10	M W	115	Ruddy
240-4	Introduction to Data Processing					
	201		9:00-10:50	M W	ANB 202	McKinney
	E202		8:20-10:10	Tu Th	ANB 201	McKinney
241-4	Principles of Programming for Electronic Data Processing					
		E401	5:30-8:10	W	205	staff
			Arranged	Saturday	Edwardsville	staff
271-4	Business Writing					
	201		11:00-11:50	MTuW F	S&T 102	staff
	E202		6:20-8:10	M W	ANB 103	staff
		401	12:00-12:50	MTuWTh	224	Motley
		E402	8:20-10:10	Tu Th	112	Houser
320-5	Corporation Finance					
	E201		5:55-8:10	M W	ANB 102	Cutright
		401	10:00-10:50	MTuWThF	203	Thomas
323-4	Investments					
	201		3:00-3:50	MTu ThF	ANB 102	Blackledge
327-4	General Insurance					
	401		11:00-11:50	MTuWTh	225	Thomas
328-3	Real Estate					
	E201		5:30-8:10	Tu	ANA 104	Blackledge
		401	1:00-1:50	Tu ThF	220	Thomas
340-4	Business Organization and Management					
	201		10:00-10:50	MTu ThF	S&T 102	Cutright
		E401	6:20-8:10	Tu Th	205A	Ingwersen
361-3	Business Report Writing					
	201		12:00-12:50	M W F	S&T 101	Brady
371-4	Business Law I					
	201		8:00-8:50	MTuWTh	ANA 101	Heath
	E202		8:20-10:10	Tu Th	ANB 102	Heath
		401	8:00-8:50	MTuWTh	104	Ruddy
		E402	8:20-10:10	M W	103	Ruddy
380-4	Production Management					
	201		9:00-9:50	MTu ThF	S&T 101	Skjerseth

34 MANAGEMENT (MGT)

Course	No.-Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites)	Instructor
Alton	E. St. Louis	Edwardsville			Place	
380-4		Production Management				
	E401		8:20-10:10	Tu Th	106	Ingwersen
382-3		Time and Motion Study				
	E201		5:30-8:10	Th	S&T 101	staff
385-4		Personnel Management				
	E201		8:20-10:10	M W	AUD 103	Blackledge
	401		9:00-9:50	MTuWTh	212	Ingwersen
421-4		Management of Business Finance				
	401		12:00-1:50	Tu Th	205A	Meador
473-4		Business Enterprise and Public Policy				
	201		1:00-2:50	M W	ANB 202	staff
	E401		6:20-8:10	M W	124A	Meador
475-4		Budgeting and Systems				
	E401		8:20-10:10	M W	106	Meador
479-4		Problems in Business and Economics				
	201		11:00-11:50	MTuWTh	ANA 111	Heath
481-4		Administrative Management				
	E201		8:20-10:10	Tu Th	ANB 202	Skjerseth
483-4		Advanced Production Management				
	E201		6:20-8:10	Tu Th	ANB 202	Skjerseth

MARKETING (MKTG)

230-5		Principles of Marketing				
	201		9:00-9:50	MTuWThF	ANA 104	Vincent
	202		1:00-1:50	MTuWThF	ANA 104	Bosse
	E203		5:55-8:10	M W	ANA 104	Vincent
	401		10:00-10:50	MTuWThF	212	Eckles
	402		2:00-2:50	MTuWThF	203	Bucher
	E403		5:55-8:10	Tu Th	205	staff
331-4		Retailing				
	201		12:00-12:50	MTu ThF	ANA 101	Pinkstaff
333-4		Principles of Advertising (Same as Jrnl 370)				
	201		2:00-2:50	MTu ThF	ANA 108	Pinkstaff
335-4		International Marketing				
	401		1:00-1:50	MTu ThF	224	Bucher
337-4		Principles of Salesmanship				
	E201		8:20-10:10	Tu Th	ANA 101	Bosse
	401		11:00-11:50	MTuWTh	224	staff
339-4		Industrial Marketing				
	201		10:00-10:50	MTu ThF	ANA 100	Pinkstaff
	E401		6:20-8:10	M W	205A	Bucher
341-4		Transportation				
	E201		6:20-8:10	Tu Th	ANB 102	Bosse
	401		9:00-9:50	MTu ThF	115	Eckles
444-4		Marketing Management				
	401		12:00-1:50	Tu Th	112	staff
463-3		Advertising Management				
	E401		5:30-8:10	Tu	201A	Eckles
490-4		Marketing Research and Analysis				
	201		11:00-12:50	M W	ANB 202	Vincent

MATHEMATICS (MATH)

100-0		Elementary Mathematics				
	201 (Applied lab)		12:00-1:50	MTuWThF	SCI 102	Forcade
	202 (Applied lab)		3:00-4:50	MTuWThF	SCI 102	English
	401		1:00-1:50	MTu ThF	103	staff
	402		3:00-3:50	MTuWTh	106	staff
	E403		8:20-10:10	M W	225	staff

Course No.	Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites)	Instructor
Alton	E. St. Louis	Edwardsville			Place	
111a-5	Elementary	Analysis				
201			10:00-10:50	MTuWThF	SCI 201	Holden
202			2:00-2:50	MTuWThF	SCI 200	Gwillim
203			9:00-9:50	MTuWThF	SCI 002	staff
	401		10:00-10:50	MTuWThF	204	Fanning
	402		11:00-11:50	MTuWThF	204	Fanning
111b-5	Elementary	Analysis				
201			12:00-12:50	MTuWThF	SCI 003	Haimo
	401		9:00-9:50	MTuWThF	204	staff
150a-4	Elementary	Calculus and Analytic Geometry				
201			11:00-11:50	MTu ThF	SCI 002	Pendergrass
202			2:00-2:50	MTuWTh	SCI 201	Broadbooks
E203			5:55-8:10	Tu Th	SCI 201	Sturley
	401		9:00-9:50	MTu ThF	225	Lindstrum
	402		10:00-10:50	MTu ThF	225	Lindstrum
	E403		5:55-8:10	M W	204	staff
150b-4	Elementary	Calculus and Analytic Geometry				
201			9:00-9:50	MTu ThF	SCI 103	Goering
202			1:00-1:50	MTu ThF	ANA 100	Holden
	401		1:00-1:50	MTuWTh	204	Rutledge
	402		2:00-2:50	MTuWTh	204	Rutledge
252b-4	Calculus and Analytic Geometry					
201			1:00-1:50	MTu ThF	S&T 101	Goering
	401		3:00-3:50	MTuWTh	225	staff
300-4	The Real Number System					
201			10:00-10:50	MTu ThF	SCI 002	English
	E401		6:20-8:10	Tu Th	225	Bennewitz
324-3	Vector Analysis					
E201			8:20-9:35	M W	SCI 003	Goering
	401		8:00-8:50	M W F	225	staff
430-4	Projective Geometry					
	401		2:00-3:50	Tu Th	124A	Oursler
452a-3	Advanced Calculus					
	E001		6:20-7:45	M W	EJH 206	Sturley
201			11:00-11:50	M W F	SCI 103	staff
480a-4	Probability I					
	E001		8:20-10:10	M W	EJH 206	Pendergrass
501a-3	Real Variables					
	E001		8:20-9:45	M W	EJH 207	Lindstrum
550-3	Seminar					
	E001		6:20-8:10	M W	EJH 207	Rutledge

MUSIC (MUS)

001a-1	Symphonic Band					
201		1:00-1:50	MTuWThF	FAB 101	Fjerstad	
	401	1:00-1:50	Tu Th	130 Aud	Mellott	
001b-0	Stage Band					
201		3:00-3:50	Th	FAB 101	Fjerstad	
001c-0	Instrumental Lab					
201		8:00-8:50	F	FAB 101	Kendall	
002a-1	Collegiate Singers					
201		11:00-11:50	M W F	FAB 101	Van Camp	
002b-1	University Chorus					
401		2:00-2:50	Tu Th	130 Aud	Van Camp	
002e-1	Community Choral Society					
	E001	7:30-9:30	Tu	ESH 104	Van Camp	
002f-1	Madrigal Singers					
201		11:00-11:50	Th	FAB 101	Van Camp	

36 MUSIC (MUS)

Course	No.-Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites)	Instructor
Alton	E. St. Louis	Edwardsville			Place	
003-1	University Symphony Orchestra					
201	Arranged					Kendall
010a-1	Class Applied Music-Strings					
201	3:00-3:50	M W	FAB 101			Kendall
010b-1	Class Applied Music-Woodwinds					
201	8:00-8:50	M W	FAB 101			Mellott
010c-1	Class Applied Music-Brass					
201	2:00-2:50	M W	FAB 101			Fjerstad
010e-1	Class Applied Music-Piano					
201 (2nd yr music mjrs)	9:00-9:50	M W F	FAC 104			Boldt
202 (1st yr music mjrs)	10:00-10:50	M W F	FAC 104			Boldt
203 (2nd yr nonmjrs)	9:00-9:50	Tu Th	FAC 104			staff
204 (Adv nonmjrs)	10:00-10:50	Tu Th	FAC 104			staff
401	12:00-1:15	Tu Th	210			Boldt
010f-1	Class Applied Music-Voice					
201	10:00-10:50	M W F	FAB 101			Van Camp
401	3:00-4:15	Tu Th	210			Van Camp
105a-4	Theory of Music					
201	9:00-9:50	MTuWThF	FAC 203			Warren
202	10:00-10:50	MTuWThF	FAC 203			Warren
140 a thru r-2 or 4	Private Applied Music					
201	Arranged					staff
a. Violin	g. Clarinet	m. Trumpet				
b. Viola	h. Bassoon	n. Trombone				
c. Cello	i. Saxophone	o. Tuba				
d. String Bass	j. Percussion	p. Baritone				
e. Flute	k. Piano	q. Voice				
f. Oboe	l. French Horn	r. Organ				
200-3	Fundamentals-Music					
201	12:00-12:50	Tu	FAC 203			Tulloss
	11:00-12:50	Th	FAC 203			Tulloss
205a-3	Theory of Music					
201	8:00-8:50	MTuWTh	FAC 203			Kresteff
240 a thru r-2 or 4	Private Applied Music (See MUS 140 above)					
201	Arranged					staff
301a-3	Music Education					
201	10:00-10:50	M W F	FAC 201			Tulloss
318a-3	Conducting					
201	4:00-4:50	M WTh	FAC 203			Kendall
340 a thru r-2 or 4	Private Applied Music (See MUS 140 above)					
201	Arranged					staff
355a-1	Chamber Music Ensemble-Brass					
201	3:00-3:50	Tu	FAB 101			Fjerstad
355b-1	Chamber Music Ensemble-Woodwinds					
201	12:00-12:50	M W	FAB 101			Mellott
355c-1	Chamber Music Ensemble-String					
201	2:00-2:50	M W	FAC 104			Kendall
440 a thru r-2 or 4	Private Applied Music (See MUS 140 above)					
201	Arranged					staff
465-3	Development and Teaching of Strings					
E201	5:30-8:10	M	FAB 101			Kendall
540 a thru r-2 or 4	Private Applied Music (See MUS 140 above)					
201	Arranged					staff
550a-4	Organization and Administration of the Music Education Program					
E201	5:30-8:10	W	FAC 203			Blakely

NURSING (NURS)

101a-1	Orientation to Nursing I					
401	9:00-9:50	M	220			staff

Course	No.-Hours	Descriptive Title					(See page 14 for Prerequisites)	
Alton	E. St. Louis	Edwardsville	Time	Days	Place	Instructor		
301-8	Obstetric Nursing							
	401		7:00-12:00	M W F	Hospital	staff		
			1:00-2:50	M W	220	staff		
325-8	Psychiatric Nursing							
	401		7:00-12:00	M W F	Hospital	Lenny		
			1:00-2:50	M W	Hospital	Lenny		
363c-14	Medical-Surgical Nursing III							
	401		7:00-3:30	M W F	Hospital	Jimison, Parker		
			10:00-12:00	Tu Th	Hospital	Zich		
			1:00-3:00	Tu Th	Hospital	Zich		
375-8	Public Health Nursing							
	401		8:30-4:00	M W	Health Dept.	Burton		
			9:00-11:00	Tu	Health Dept.	Burton		

PHILOSOPHY (PHIL)

200-4	Types of Philosophy					
	201	2:00–3:50	M	W	ANA 101	Shea
	401	10:00–11:50	M	W	220	staff
240-4	Ethics					
	E201	8:20–10:10	M	W	SCI 103	staff
301-4	Philosophy of Religion					
	E401	6:20–8:10	M	W	105	Murdoch
324-4	Symbolic Logic					
	201	1:00–2:50	Tu	Th	AUD 100	Morrison
381a-4	History of Western Philosophy					
	401	10:00–11:50	Tu	Th	205A	Linden
484a-4	History of Western Political Theory					
	401	1:00–2:50	M	W	112	Runkle

PHYSICAL EDUCATION (P E)

305-3	Physical Education for the Atypical Student	8:00-8:50	M	W	F	SCI 103 & GYM 102	Archangel
201							
341-3	Principles of Physical Education	9:00-9:50	M	W	F	SCI 102	Klein
201							
350-4	Methods and Materials for Teaching Physical Education Activities in Elementary School	8:00-8:50	MTuWTh			GYM 102	Moehn
201							
	401	3:00-4:50	Tu	Th		204 & 009 Gym	Moehn

PHYSICAL EDUCATION—MEN (PEM)

100b-1	Physical Education Skill Courses for Men: Folk Dance					
201		10:00-10:50	M W	GYM 102	Carpenter	
100f-1	Physical Education Skill Courses for Men: Swimming					
201		11:00-12:50	M W	GYM 102	Hatheway	
100h-1	Physical Education Skill Courses for Men: Soccer					
201		11:00-11:50	Tu Th	GYM 102	Hatheway	
100m-1	Physical Education Skill Courses for Men: Football					
201		10:00-10:50	M W	GYM 102	Hatheway	
381-4	Theory of Coaching					
201		8:00-8:50	MTuWTh	ANB 102	Hatheway	

PHYSICAL EDUCATION—WOMEN (PEW)

321-2 to 6	Methods of Teaching in Physical Education for Women					
201		9:00-10:50	Tu Th	GYM 102	Archangel	
		and arranged				
323-1 to 3	Officiating Techniques					
201		3:00-3:50	F	GYM 102	Archangel	
		and arranged				

38 PHYSICS (PHYS)

Course No.—Hours Descriptive Title (See page 14 for Prerequisites)
Alton E. St. Louis Edwardsville Time Days Place Instructor

PHYSICS (PHYS)

211a-5	University Physics I	.....	.....	.....	.....	.....	.....
Lect		9:00-9:50	M W F	SCI 200	Sokolowski		
		9:00-10:50	Tu	SCI 200	Sokolowski		
Lab 201		9:00-10:50	Th	SCI 007	Sokolowski		
Lab 202		11:00-12:50	Th	SCI 007	Sokolowski		
Lab 203		1:00-2:50	Th	SCI 007	Sokolowski		
	Lect	11:00-11:50	MTu ThF	124A	Shaw		
	Lab 401	Arranged			Shaw		
	E402	6:00-9:05	Tu Th	124	staff		
211b-5	University Physics II	.....	.....	.....	.....	.....	.....
Lect		11:00-11:50	MTu ThF	124	staff		
	Lab 401	Arranged			staff		
211c-5	University Physics III	.....	.....	.....	.....	.....	.....
Lect		11:00-11:50	M W F	SCI 200	Sokolowski		
Lab 201		10:00-11:50	Tu	SCI 007	Sokolowski		
		3:00-4:50	Th	SCI 007	Sokolowski		
310-4	Light	.....	.....	.....	.....	.....	.....
201		2:00-2:50	M W F	SCI 003	Boedeker		
		2:00-2:50	Tu	SCI 007	Boedeker		
311-1	Optics Laboratory	.....	.....	.....	.....	.....	.....
201		Arranged			Zurheide		
375-1	Seminar	.....	.....	.....	.....	.....	.....
201		3:00-3:50	Tu	SCI 003	Boedeker		
	401	3:00-3:50	W	104	staff		
404-3	Introduction to Statistical Mechanics	.....	.....	.....	.....	.....	.....
	E401	8:20-9:35	M W	124	Walford		
415a-4	Modern Physics I	.....	.....	.....	.....	.....	.....
201		12:00-12:50	MTuW F	SCI 002	Boedeker		
	E401	6:20-8:10	M W	124	Walford		
501a-5	Methods of Theoretical Physics	.....	.....	.....	.....	.....	.....
E201		5:55-8:10	Tu Th	S&T 102	McAneny		

PHYSIOLOGY (PHSL)

300-4	Human Anatomy	.....	.....	.....	.....	.....	.....
Lect		3:00-3:50	M Th	SCI 103	Axtell		
Lab 201		2:00-3:50	W	SCI 111	Axtell		
315a-5	College Physiology	.....	.....	.....	.....	.....	.....
Lect		8:00-9:50	M	SCI 111	Ratzlaff		
		9:00-9:50	W	SCI 002	Ratzlaff		
Lab 201		8:00-9:50	Tu Th	SCI 111	Ratzlaff		
460a-5	Mammalian Physiology	.....	.....	.....	.....	.....	.....
Lect		8:00-9:50	M	SCI 111	Ratzlaff		
		9:00-9:50	W	SCI 002	Ratzlaff		
Lab 201		8:00-9:50	Tu Th	SCI 111	Ratzlaff		

PSYCHOLOGY (PSYC)

See GSB 201c for Introductory Psychology							
301-4	Child Psychology	.....	.....	.....	.....	.....	.....
E201		8:20-10:10	Tu Th	SCI 102	Kuenzli		
	401	12:00-1:50	M W	104	Troyer		
305-4	Personality Dynamics	.....	.....	.....	.....	.....	.....
201		1:00-2:50	Tu Th	ANB 102	Soper		
307-4	Social Psychology	.....	.....	.....	.....	.....	.....
	401	12:00-1:50	M W	124A	staff		
311-4	Experimental Psychology	.....	.....	.....	.....	.....	.....
E201		8:20-10:10	Tu Th	SCI 103	Rockwell		

Course No.	Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites)	Instructor
Alton	E. St. Louis	Edwardsville			Place	
320-4		Introduction to Industrial Psychology				
	E401		6:20-8:10	M W	106	Southwood
407-4		Theories of Learning (Meets with Guid 511)				
	E001		5:30-8:10	W	EJH 101	Brinkmann
		4 additional sessions to be arranged				
409-4		History and Systems				
	201		11:00-12:50	Tu Th	SS 201	Rockwell
431-4		Psychopathology				
	E201		5:30-8:10	M	SCI 201	Rockwell
		4 additional sessions to be arranged				
432-4		Mental Hygiene (Meets with Guid 412)				
	201		4:20-6:10	Tu Th	ANA 101	staff
	401		9:00-11:40	Saturday	103	Moore
		4 additional sessions to be arranged				
440-4		Theories of Personality				
	E001		5:30-8:10	Th	EJH 205	staff
		4 additional sessions to be arranged				
465-4		Group Dynamics (Meets with Guid 543)				
	E001		5:30-8:10	Th	EJH 104	Sonstegard

RADIO-TELEVISION (R-T)

251-3		Survey of Broadcasting				
	201		9:00-9:50	M W F	TV Studio	Lyle
368a-4		Fundamentals of Radio and Television Production				
	201		8:00-9:50	Tu Th	TV Studio	Lyle

SOCIOLOGY (SOC)

101-4		Introductory Sociology				
	401		8:00-8:50	MTuWTh	224	D. Taylor
	E402		8:20-10:10	M W	224	staff
102-4		Social Problems				
	201		1:00-1:50	MTuWTh	SS 201	Remmling
241-4		Marriage and Parenthood				
	401		2:00-2:50	MTuWTh	224	D. Taylor
306-4		Social Control				
	E401		6:20-8:10	Tu Th	220	Rudwick
320-4		Race and Minority Group Relations				
	401		11:00-11:50	MTuWTh	103	Rudwick
321-4		Socialization of the Individual				
	401		2:00-3:50	M W	124A	Thomas
322-4		Propaganda and Public Opinion				
	201		12:00-12:50	MTuWTh	SS 106	More
335-4		Urban Sociology				
	201		3:00-4:50	Tu Th	SS 106	J. Schusky
340-4		The Family				
	201		4:00-4:50	MTuWTh	SS 201	Remmling
372-4		Criminology				
	E001		8:20-10:10	M W	EJH 203	staff
374-4		Sociology of Education				
	E401		6:20-8:10	M W	224	staff
380-4		Introduction to Social Work				
	401		9:00-9:50	MTuWTh	224	staff
405-4		Current Sociology				
	201		2:00-2:50	MTuWTh	SS 201	Remmling
407-4		Integrated Sociology				
	201		3:00-3:50	MTuWTh	SS 201	More
424-4		Collective Behavior				
	201		1:00-1:50	MTuWTh	S&T 102	More

40 SOCIOLOGY (SOC)

FALL

Course No.	Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites)	Instructor
Alton	E. St. Louis	Edwardsville			Place	
426-4		Social Factors in Behavior and Personality				
	401		10:00-10:50	MTuWTh	224	D. Taylor
435-4		Social Stratification				
	201		10:00-10:50	MTuWTh	SS 201	Campbell
482-4		Social Work in Selected Agencies				
	401		3:00-3:50	MTuWTh	208A	staff

SPEECH (SPCH)

102-4	Public Speaking					
	201	1:00-1:50	MTu	ThF	ANB 103	Robinson
205-3	Principles of Argumentation and Debate					
	201	2:00-3:15	Tu	Th	ANB 202	Robinson
224-4	Communicative Reading					
	401	10:00-10:50	MTu	ThF	201A	Birdman
230-1	Speech Activities					
	201	3:00-4:30	M	W	ANB 103	Robinson
	401	4:00-4:50	MTuWThF		130 Aud	Birdman
301-4	Persuasion					
	201	12:00-12:50	MTu	ThF	ANB 102	White
330-1	Speech Activities					
	201	3:00-4:30	M	W	ANB 103	Robinson
	401	4:00-4:50	MTuWThF		130 Aud	Birdman
449-4	General Semantics					
	401	10:00-10:50	MTu	ThF	208A	Cornwell

SPEECH CORRECTION (SP C)

100-0	Speech Clinic					
	401	Arranged				staff
428-4	Speech Correction for the Classroom Teacher (Same as Sp E 428)					
	E201	5:30-8:10		Th	ANB 103	staff
		4 additional sessions to be arranged				

THEATER (THEA)

121a-3	Production Techniques					
	401	2:00-2:50	M	W	F	130 Aud staff
204-4	Acting					
	401	3:00-3:50	M	W	F	130 Aud Pritner
		One hour to be arranged				

ZOOLOGY (ZOO)

202-5	Comparative Anatomy					
	Lect	10:00-10:50	Tu	Th	SCI 102	Axtell
	Lab 201	10:00-11:50	M	W	F	SCI 111 Axtell
321-5	Histological Technique in Zoology					
	Lect	9:00-9:50	Tu	Th	SCI 110	Myer
	Lab 201	8:00-9:50	M	W	F	SCI 110 Myer
382a-1/2	Zoology Seminar for Seniors					
	201	4:00-4:50	Tu		SCI 103	Frost
401-5	Genetics					
	Lect	12:00-12:50	MTu	Th	SCI 110	Frost
	Lab 201	12:00-1:50		W	F	SCI 110 Frost
412-4	Advanced Entomology					
	Lect	10:00-10:50	Tu	Th	SCI 103	Wooldridge
	Lab 201	10:00-11:50	M	W	SCI 110	Wooldridge
461-4	Mammalogy					
	E201	6:20-9:10	Tu	Th	SCI 110	Broadbooks

Course No.—Hours Descriptive Title (See page 14 for Prerequisites)
 Altton E. St. Louis Edwardsville Time Days Place Instructor

GENERAL STUDIES AREA A—MAN'S PHYSICAL ENVIRONMENT AND BIOLOGICAL INHERITANCE (GSA)

101a-3 Introduction to Physical Sciences.....

Student enrolls in lecture and one lab (Lab and Friday lecture meet every other week)

Lect	9:00-9:50	Tu ThF	AUD 200	staff
Lab 201	3:00-4:50	Tu	SCI 007	staff
Lab 202	11:00-12:50	W	SCI 007	staff
Lab 203	1:00-2:50	W	SCI 007	staff
Lab 204	3:00-4:50	W	SCI 007	staff
Lect	9:00-9:50	Tu ThF	115	Walford
Lab 401	9:00-10:50	M	124	Walford
Lab 402	9:00-10:50	W	124	Walford

101b-3 Introduction to Physical Sciences.....

Student enrolls in lecture and one lab (Lab and Friday lecture meet every other week)

Lect	3:00-3:50	Tu ThF	AUD 200	staff
Lab 201	1:00-2:50	M	SCI 007	staff
Lab 202	3:00-4:50	M	SCI 007	staff
Lab 203	10:00-11:50	Tu	SCI 007	staff
Lab 204	12:00-1:50	Tu	SCI 007	staff
e205	8:20-10:10	M W	SCI 007	staff
Lect	3:00-3:50	Tu Th	130 Aud	staff
	3:00-3:50		F Arranged	staff
Lab 401	1:00-2:50	M	124	staff
Lab 402	3:00-4:50	M	124	staff
Lab 403	1:00-2:50	W	124	staff

101c-3 Introduction to Physical Sciences.....

Lect	3:00-3:50	Tu Th	112	Stallard
Lab 401	1:00-2:50		F 125	Stallard

200-3 Earth Science

Day student enrolls in one lab and associated lecture

Lect (201&202)	8:00-8:50	M W	ANA 110	Baker
Lab 201	8:00-9:50	Th	ANA 110	Baker
Lab 202	8:00-9:50	F	ANA 110	Baker
e203	6:20-8:10	Tu Th	ANA 110	Guffy
Lect (401)	12:00-12:50	M W	105	Guffy
Lab 401	11:00-12:50	Th	397-001	Guffy
Lect (402&403)	2:00-2:50	M W	124A	Mookerjee
Lab 402	2:00-3:50	F	397-001	Mookerjee
Lab 403	3:00-4:50	Th	397-001	Mookerjee

201a-3 Man's Biological Inheritance

Student enrolls in lecture and one lab

Lect	10:00-10:50	Tu Th	SCI 102	Wooldridge
Lab 201	10:00-11:50	M	SCI 111	Wooldridge
Lab 202	10:00-11:50	W	SCI 111	Wooldridge
Lect	2:00-2:50	Tu Th	115	Frost
Lab 401	2:00-3:50	M	116	Frost
Lab 402	2:00-3:50	W	116	Frost

201b-3 Man's Biological Inheritance

Day student enrolls in lecture and one lab

Lect	3:00-3:50	M W	AUD 200	Broadbooks
Lab 201	12:00-1:50	Tu	SCI 111	Broadbooks
Lab 202	2:00-3:50	Tu	SCI 111	Broadbooks
Lab 203	10:00-11:50	Th	SCI 111	Axtell
Lab 204	12:00-1:50	Th	SCI 111	Broadbooks
Lab 205	2:00-3:50	Th	SCI 111	Broadbooks
e206	6:20-8:10	M W	SCI 111	Axtell

42 GENERAL STUDIES AREA A (GSA)

Course	No.-Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites)	
Alton	E. St. Louis	Edwardsville			Place	Instructor
201c-3	Man's Biological Inheritance					
Day student enrolls in lecture and one lab						
	Lect	3:00-3:50	M W	115		Hewitson
	Lab 401	12:00-1:50	Tu	116		Hewitson
	Lab 402	2:00-3:50	Tu	116		Hewitson
	E403	6:20-8:10	Tu Th	116		Hewitson
331-3	Climate					
	Lect	9:00-9:50	M W	ANA 110		Baker
	Lab 201	8:00-9:50	Tu	ANA 110		Baker
	Lect	1:00-1:50	M W	105		Snaden
	Lab 401	12:00-1:50	F	397-001		Snaden
363b-3	Philosophy of Science (Same as GSC 363b)					
	201	1:00-2:15	M W	AUD 100		Morrison

GENERAL STUDIES AREA B—MAN'S SOCIAL INHERITANCE
AND SOCIAL RESPONSIBILITIES (GSB)

101a-3	Survey of Western Tradition					
	201	11:00-12:15	Tu Th	AUD 200		Baker
	202	1:00-2:15	Tu Th	AUD 200		Koepke
	E203	8:20-9:35	Tu Th	ANA 110		Koepke
	401	12:00-12:50	M W F	130 Aud		Schwartz
	E402	6:20-7:35	Tu Th	105		Schwartz
101b-3	Survey of Western Tradition					
	201	12:00-12:50	M W F	AUD 200		Gallaher
	202	2:00-2:50	M W F	AUD 200		Gallaher
	E203	8:20-9:35	M W	AUD 100		staff
	E204	6:20-7:35	Tu Th	AUD 103		staff
	401	11:00-11:50	M W F	130 Aud		Haas
	402	2:00-2:50	M W F	130 Aud		Haas
	E403	8:20-9:35	M W	112		Steckling
	E404	6:20-7:35	Tu Th	205A		Keleher
101c-3	Survey of Western Tradition					
	201	9:00-10:15	Tu Th	ANB 102		Keleher
	401	8:00-8:50	M W F	112		Keleher
201a-3	Culture, Society, Behavior					
	201	9:00-9:50	M W F	SCI 102		E. Schusky
	401	9:00-9:50	M W F	130 Aud		Culbert
201b-3	Culture, Society, Behavior					
	201	11:00-11:50	M W F	AUD 200		Campbell
	202	3:00-3:50	M W F	ANA 104		Campbell
	401	10:00-10:50	M W F	130 Aud		Rudwick
201c-3	Culture, Society, Behavior					
	201	12:00-12:50	M W F	ANA 104		Kuenzli
	E202	5:30-8:10	W	SCI 102		staff
	401	2:00-2:50	M W F	115		staff
	E402	5:30-8:10	Tu	106		staff
211a-3	Political Economy					
	201	10:00-10:50	M W F	AUD 200		staff
	E202	5:30-8:10	M	SCI 102		VanDahm
	401	11:00-11:50	M W F	103		staff
	E402	8:20-9:35	M W	103		Cohen
211b-3	Political Economy					
	E001	5:30-8:10	M	EJH 201		Lovell
	201	12:00-12:50	M WTh	ANA 110		Kerr
	401	12:00-12:50	M WTh	204		staff
	E402	5:30-8:10	Tu	115		Stahnke
311-3	Economic Development of the United States					
	201	3:00-3:50	Tu Th	SCI 200		Scott

Course	No.-Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites)	Instructor
Alton	E. St. Louis	Edwardsville			Place	
	E401		8:20-9:35	Tu Th	103	staff
331-3	The American Educational Systems					
	201		10:00-10:50	M W F	SCI 102	Wheat
	202		11:00-12:15	Tu Th	AUD 103	Kunkel
	E401		5:30-8:10	Tu	103	Jung
	402		10:00-11:15	M W	104	staff
351b-3	Geographic and Cultural Background of Developing Africa					
	201		1:00-1:50	M W F	SS 106	E. Schusky
354-3	Industrial Economic Geography					
	201		11:00-11:50	M W F	ANA 110	Koepke
	E202		8:20-9:35	M W	ANA 110	Lossau
	401		11:00-11:50	M W F	105	Snaden
	E402		8:20-9:35	M W	105	Collier
359a-3	Society and State					
	201		2:00-2:50	MTu Th	SS 201	Remmling, Mace

GENERAL STUDIES AREA C—MAN’S INSIGHTS AND APPRECIATIONS (GSC)

100-3	Music Understanding					
	E001		6:20-7:35	M W	EJH 108	staff
	201		1:00-1:50	M W F	FAC 203	Kresteff
	E202		6:20-7:35	Tu Th	FAC 203	staff
	401		1:00-2:50	Tu	212	Tulloss
			1:00-1:50	Th	212	Tulloss
101-3	Art Appreciation					
	201		10:00-10:50	M W F	FAA 104	Buddemeyer
	202		11:00-11:50	M W F	FAA 104	Marcell
	203		12:00-12:50	M W F	FAA 104	Howerton
	204		1:00-2:15	Tu Th	FAA 104	Huntley
	E205		6:20-7:35	Tu Th	FAA 104	staff
	401		9:00-9:50	M W F	221	Kemper
	402		4:20-5:35	M W	221	staff
	E403		6:55-8:10	M W	221	staff
151-3	Introduction to Poetry					
	201		12:00-12:50	M W F	AUD 103	staff
	E202		8:20-9:35	M W	HUM 107	staff
	401		12:00-12:50	M W F	208B	staff
	E402		8:20-9:35	M W	201B	staff
152-3	Logic					
	Day student enrolls in lecture and one quiz section					
	Lect		10:00-10:50	Tu Th	AUD 200	Morrison
	201		10:00-10:50	M	ANA 100	Morrison
	202		10:00-10:50		F SCI 002	Morrison
	203		11:00-11:50		F AUD 100	Morrison
	E204		8:20-9:35	Tu Th	SCI 201	Morrison
	Lect		8:00-8:50	Tu Th	115	staff
	401		8:00-8:50	M	104	staff
	402		8:00-8:50		F 104	staff
	403		10:00-10:50		F 103	staff
	E404		8:20-9:35	Tu Th	105	staff
203-3	Drama and the Arts of the Theater					
	201		1:00-2:15	Tu Th	ANB 201	Kochman
	401		1:00-1:50	M W F	208A	Pritner
251a-3	Literary and Philosophical Masterpieces					
	201		12:00-12:50	M W F	SCI 002	staff
	401		4:30-5:20	MTu Th	208B	staff
251b-3	Literary and Philosophical Masterpieces					
	201		1:00-1:50	M W F	AUD 200	staff

44 GENERAL STUDIES AREA C (GSC)

Course No.	Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites)	Instructor
Alton	E. St. Louis	Edwardsville			Place	
251b-3		Literary and Philosophical Masterpieces				
	E202		6:20-7:35	Tu Th	AUD 200	staff
		401	8:00-8:50	M W F	130 Aud	staff
	E402		8:20-9:35	M W	115	staff
255-3		Music in History				
		401	11:00-12:15	M W	212	Kresteff
335-3		Studies in Short Fiction				
		401	4:30-5:20	MTu ThF	225	Going
351b-4		History of World Art				
		201	10:00-11:50	Tu Th	FAA 104	Richardson
354a-3		History of the Theater				
		401	2:00-2:50	M W F	112	Birdman
357b-3		Music History and Literature				
		201	10:00-11:50	Tu	FAC 201	Kresteff
			10:00-10:50	Th	FAC 201	Kresteff
360a-3		Arts and Ideals in Famous Cities				
		201	11:00-12:15	Tu Th	SS 106	Shea
363b-3		Philosophy of Science (Same as GSA 363b)				
		201	1:00-2:15	M W	AUD 100	Morrison

GENERAL STUDIES AREA D—ORGANIZATION AND COMMUNICATION OF IDEAS (GSD)

101a-3	English Composition					
		E001	8:20-10:10	M W	EJH 203	staff
	201		8:00-8:50	MTu ThF	AUD 101	staff
	202		8:00-8:50	MTu ThF	AUD 102	staff
	203		12:00-12:50	MTu ThF	AUD 100	staff
	204		3:00-3:50	MTu ThF	AUD 101	staff
	E205		6:20-8:10	M W	AUD 102	staff
	E206		6:20-8:10	Tu Th	ANB 103	staff
	207		4:30-5:20	MTuWTh	AUD 101	staff
		401	8:00-8:50	MTu ThF	201B	staff
		402	12:00-12:50	MTu ThF	222	staff
		403	4:30-5:20	MTuWTh	222	staff
	E404		6:20-8:10	M W	201B	staff
	E405		8:20-10:10	M W	222	staff
	E406		6:20-8:10	Tu Th	222	staff
	407		3:00-3:50	MTuWTh	222	staff
101b-3	English Composition					
		E001	6:20-8:10	M W	EJH 103	staff
		E002	8:20-10:10	M W	EJH 101	staff
	201		9:00-9:50	MTu ThF	AUD 100	staff
	202		11:00-11:50	MTu ThF	AUD 101	staff
	203		8:00-8:50	MTu ThF	AUD 103	staff
	204		8:00-8:50	MTu ThF	HUM 107	staff
	205		9:00-9:50	MTu ThF	AUD 102	staff
	206		10:00-10:50	MTu ThF	AUD 101	staff
	207		11:00-11:50	MTu ThF	ANB 103	staff
	208		12:00-12:50	MTu ThF	HUM 107	staff
	209		12:00-12:50	MTu ThF	ANA 101	staff
	210		1:00-1:50	MTu ThF	AUD 101	staff
	211		2:00-2:50	MTu ThF	AUD 101	staff
	212		3:00-3:50	MTuWTh	AUD 102	staff
	213		4:30-5:20	MTuWTh	AUD 102	staff
	E214		8:20-10:10	M W	AUD 101	staff
	E215		8:20-10:10	Tu Th	AUD 101	staff
	E216		6:20-8:10	M W	AUD 101	staff
	217		3:00-3:50	MTuWTh	AUD 100	staff

Course	No.-Hours	Descriptive Title		Time	Days	(See page 14 for Prerequisites)	
Alton	E. St. Louis	Edwardsville				Place	Instructor
		401		9:00-9:50	MTu ThF	201B	staff
		402		11:00-11:50	MTu ThF	222	staff
		403		8:00-8:50	MTu ThF	222	staff
		404		8:00-8:50	MTu ThF	221	staff
		405		9:00-9:50	MTu ThF	222	staff
		406		10:00-10:50	MTu ThF	201B	staff
		407		11:00-11:50	MTu ThF	201B	staff
		408		12:00-12:50	MTu ThF	201B	staff
		409		1:00-1:50	MTu ThF	222	staff
		410		2:00-2:50	MTu ThF	201B	staff
		411		3:00-3:50	MTuWTh	201B	staff
	E412			6:20-8:10	Tu Th	201B	staff
	E413			8:20-10:10	Tu Th	222	staff
	E414			6:20-8:10	M W	222	staff
	E415			6:20-8:10	Tu Th	220	staff
		416		3:00-3:50	MTuWTh	224	staff
103-3	Oral Communication of Ideas						
		E001		6:20-7:35	M W	EJH 203	Hawkins
	201			8:00-8:50	M W F	ANB 103	Lyle
	202			9:00-9:50	M W F	ANB 103	Lyle
	203			9:00-9:50	M W F	ANB 102	White
	204			10:00-10:50	M W F	ANB 103	Lyle
	205			10:00-10:50	M W F	ANB 201	Smith
	206			11:00-11:50	M W F	ANB 201	Smith
	207			12:00-12:50	M W F	ANB 201	Smith
	208			1:00-1:50	M W F	ANB 102	White
	209			2:00-2:50	M W F	ANB 102	White
	210			3:00-4:15	Tu Th	ANB 102	Robinson
	E211			6:20-7:35	M W	ANB 103	Robinson
		401		9:00-9:50	M W F	106	Pritner
		402		9:00-9:50	M W F	112	Birdman
		403		10:00-10:50	M W F	224	staff
		404		11:00-11:50	M W F	106	Pritner
		405		12:00-12:50	M W F	106	staff
		406		1:00-1:50	M W F	106	staff
		407		2:00-2:50	M W F	106	Pritner
		408		2:00-3:15	Tu Th	106	staff
		409		4:20-5:35	M W	106	staff
112a-3	Introduction to Mathematics						
	201			11:00-12:15	Tu Th	SCI 103	Forcade
	E202			6:55-8:10	M W	SCI 002	Broadbooks
		401		3:00-3:50	M WTh	208B	staff
112b-3	Introduction to Mathematics						
	201			8:00-8:50	M W F	AUD 200	English
	E202			8:20-9:35	Tu Th	SCI 002	Forcade
		401		1:00-1:50	M W F	130 Aud	Bennewitz
	E402			8:20-9:35	M W	204	staff
114a-3	College Algebra						
	201			8:00-8:50	M W F	S&T 102	Goering
	202			3:00-3:50	M WTh	SCI 002	English
		401		1:00-1:50	M W F	208B	staff
	E402			8:20-9:35	Tu Th	221	Bennewitz
114b-3	College Algebra						
	201			8:00-8:50	M W F	SCI 003	Gwillim
	202			8:00-8:50	M W F	SCI 103	Holden
	E203			8:20-9:35	M W	SCI 002	Holden
		401		1:00-1:50	M W F	205	staff
		402		2:00-2:50	M W F	204	staff
	E403			8:20-9:35	Tu Th	204	staff

46 GENERAL STUDIES AREA D (GSD)

Course No.	Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites)	Instructor
Alton	E. St. Louis	Edwardsville			Place	
114c-3	Trigonometry					
201			2:00-2:50	M W F	SCI 103	Forcade
	401		2:00-2:50	M W F	225	Fanning
114d-3	Statistics					
201			8:00-8:50	M W F	S&T 101	McDonald
	401		12:00-12:50	M W F	225	staff
123b-3	Elementary French					
201			9:00-9:50	MTu Th	AUD 101	staff
202			11:00-11:50	MTu Th	SCI 003	staff
203			2:00-2:50	MTu Th	S&T 101	staff
E204			6:20-7:35	Tu Th	SCI 103	staff
	E401		6:20-7:35	M W	220	staff
126b-3	Elementary German					
201			9:00-9:50	MTu Th	SCI 003	staff
202			11:00-11:50	MTu Th	SCI 102	staff
203			2:00-2:50	MTu Th	SCI 003	staff
E204			6:20-7:35	Tu Th	AUD 101	staff
	401		9:00-9:50	MTu Th	208B	staff
	402		11:00-11:50	MTu Th	208B	staff
	403		2:00-2:50	MTu Th	208B	staff
	E404		6:20-7:35	Tu Th	221	staff
136b-3	Elementary Russian					
201			1:00-2:15	Tu Th	HUM 107	staff
	401		9:00-9:50	MTu Th	208A	staff
	E402		6:20-7:35	M W	208A	staff
140b-3	Elementary Spanish					
201			11:00-11:50	MTu Th	ANB 102	staff
202			3:00-3:50	MTu Th	AUD 103	staff
	401		1:00-1:50	MTu Th	221	staff
	E402		6:20-7:35	Tu Th	208B	staff

GENERAL STUDIES AREA E—HEALTH AND PHYSICAL DEVELOPMENT (GSE)

102-1	Physical Fitness (Men)					
201			11:00-11:50	Tu Th	GYM 102	Hatheway
202			1:00-1:50	M W	GYM 102	Hatheway
	401		11:00-11:50	Tu Th	009 Gym	Moehn
	402		10:00-10:50	Tu Th	009 Gym	Moehn
103a-1	Dance: Square Dance (Men)					
201			3:00-3:50	M W	GYM 102	staff
	401		12:00-12:50	Tu Th	009 Gym	staff
104b-1	Individual and Team Activity: Badminton (Men)					
201			12:00-12:50	Tu Th	GYM 102	Hatheway
	401		12:00-12:50	Tu Th	009 Gym	Moehn
104d-1	Individual and Team Activity: Bowling (Men)					
201			9:00-9:50	W F	GYM 102	staff
202			10:00-10:50	W F	GYM 102	staff
	401		9:00-9:50	Tu Th	009 Gym	staff
104i-1	Individual and Team Activity: Volleyball (Men)					
201			3:00-3:50	Tu Th	GYM 102	staff
104m-1	Individual and Team Activity: Fencing (Men)					
201			8:00-8:50	Tu Th	GYM 102	staff
104r-1	Individual and Team Activity: Stunts and Tumbling (Men)					
201			11:00-12:50	F	GYM 102	Hatheway
112-1	Basic Body Movement (Women)					
201			10:00-10:50	Tu Th	GYM 102	Archangel
	401		10:00-10:50	M W	009 Gym	Archangel

Course No.	Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites)	Instructor
Alton	E. St. Louis	Edwardsville			Place	
113a-1		Dance: Square Dance (Women)				
201			3:00-3:50	M W	GYM 102	staff
	401		12:00-12:50	Tu Th	009 Gym	staff
113d-1		Dance: Beginning Contemporary Dance (Women)				
201			2:00-2:50	Tu Th	GYM 102	Carpenter
202			12:00-12:50	M W	GYM 102	Carpenter
	401		2:00-2:50	M W	009 Gym	Carpenter
114b-1		Individual and Team Activity: Badminton (Women)				
201			8:00-8:50	M W	GYM 102	staff
	401		3:00-3:50	Tu Th	009 Gym	staff
114c-1		Individual and Team Activity: Basketball (Women)				
201			2:00-2:50	M W	GYM 102	staff
	401		2:00-2:50	Tu Th	009 Gym	staff
114d-1		Individual and Team Activity: Bowling (Women)				
201			9:00-9:50	W F	GYM 102	staff
	401		9:00-9:50	Tu Th	009 Gym	staff
114i-1		Individual and Team Activity: Volleyball (Women)				
	401		1:00-1:50	Tu Th	009 Gym	staff
114m-1		Individual and Team Activity: Fencing (Women)				
201			8:00-8:50	Tu Th	GYM 102	staff
201-3		Healthful Living				
201			1:00-1:50	M W F	ANA 104	Spear
E202			5:30-8:10	Tu	SCI 102	Klein
	401		3:00-3:50	M W F	212	Klein

ACCOUNTING (ACCT)

251a-4		Elementary Accounting I				
201			1:00-1:50	MTu ThF	ANA 100	Milles
E202			6:20-8:10	Tu Th	ANA 100	Dwyer
	401		1:00-1:50	MTu ThF	203	Bedel
	E402		8:20-10:10	Tu Th	225	staff
251b-4		Elementary Accounting II				
	E001		6:20-8:10	M W	EJH 102	Bedel
201			8:00-8:50	MTu ThF	ANA 100	Schuchardt
202			11:00-11:50	MTuWTh	ANA 100	Schmitt
203			2:00-2:50	MTu ThF	ANA 100	Schuchardt
E204			6:20-8:10	M W	ANA 100	staff
E205			8:20-10:10	Tu Th	ANA 100	Dwyer
	401		8:00-8:50	MTu ThF	203	Bedel
	402		11:00-11:50	MTu ThF	203	Davison
	403		2:00-2:50	MTu ThF	203	Terre
	E404		6:20-8:10	Tu Th	203	Terre
251c-4		Elementary Accounting III				
201			12:00-12:50	MTu ThF	ANA 100	Schuchardt
	E401		8:20-10:10	M W	205A	staff
331-5		Tax Accounting				
E201			5:55-8:10	Tu Th	S&T 101	staff
	401		12:00-12:50	MTuWThF	203	Small
341-3		Cost Accounting				
201			9:00-9:50	M W F	ANA 101	Dwyer
	E401		5:30-8:10	M	225	Small
351b-4		Advanced Accounting II				
201			10:00-10:50	MTu ThF	S&T 101	Milles
E202			8:20-10:10	M W	ANA 100	staff
	401		9:00-9:50	MTu ThF	203	Davison
	E402		8:20-10:10	Tu Th	208B	Terre
432-4		Problems in Federal Taxation				
201			11:00-12:50	M W	ANB 202	Milles
	E401		6:20-8:10	Tu Th	210	Davison

48 ACCOUNTING (ACCT)

Course No.	Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites)	Instructor
Alton	E. St. Louis	Edwardsville			Place	
442-4	Advanced Cost Accounting					
E201			6:20-8:10	M W	S&T 101	Schmitt
	401		10:00-11:50	Tu Th	221	Small

ANTHROPOLOGY (ANTH)

300-4	Man's Place in Nature					
	201		11:00-11:50	MTuWTh	SS 201	E. Schusky
		401	10:00-10:50	MTuWTh	205	staff
314-4	Indians of North America					
		401	2:00-2:50	MTuWTh	224	staff
409-4	Anthropology and Modern Life					
		401	12:00-12:50	MTuWTh	201A	staff
430-4	Archaeology of North America					
		401	11:00-11:50	M W F	224	Culbert

APPLIED SCIENCE (AP S)

101b-3	Graphics					
	201		8:00-9:50	M W F	ANA 108	Bishop
	202		10:00-11:50	M W F	ANA 108	Bishop
		401	3:00-4:50	M W F	203	staff
		E402	6:20-9:10	M W	203	Bishop
260b-3	Analytical Mechanics I					
		E001	8:20-9:35	M W	EJH 104	Shaw

ART (ART)

100b-5	Basic Studio					
	201		12:00-1:50	MTuWTh	FAA 102	staff
			12:00-12:50	F	FAA 102	staff
	E202		6:20-9:50	M W	FAA 102	Marcell
		401	1:00-2:50	MTu ThF	214	Milovich
			1:00-1:50	W	214	Milovich
201b-4	Drawing and Composition					
	201		10:00-11:50	MTuW F	FAA 102	staff
	E202		6:20-9:50	Tu Th	FAA 202	Huntley
203b-4	Beginning Ceramics					
	201		10:00-11:50	MTuW F	GYM 005	Howerton
300a-4	Art Education					
	201		8:00-9:50	M W F	FAA 203	staff
300b-4	Art Education					
	201		1:00-2:50	M W F	FAA 203	Buddemeyer
		401	10:00-11:50	M W F	214	Milovich
		402	4:20-6:50	M W	214	Milovich
305b-4	Advanced Ceramics					
	E201		6:20-9:50	M W	GYM 005	Howerton
310b-4	Oil Painting					
	201		3:00-4:50	MTuWTh	FAA 202	Huntley
325b-4	Studio					
	201		Arranged			staff
358b-4	Prints					
	201		1:00-2:50	MTuWTh	FAA 103	Richardson
365-4	Art Education in the Secondary School					
	201		3:00-4:50	M W F	FAA 203	Buddemeyer
393b-4	Sculpture					
	201		1:00-2:50	MTuW F	SCI 015	Marcell
401b-4	Research In Art					
	201		Arranged			staff

BOTANY (BOT)

202-5	General Botany					
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Course No.	Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites) Place	Instructor
Lect		Alton E. St. Louis Edwardsville	6:00-7:15	Tu Th	SCI 003	Brown
Lab	e201		7:25-9:15	Tu Th	SCI 111	Brown
225-5 Cellular Physiology						
Lect			11:00-11:50	M W F	SCI 103	Brown
Lab	201		10:00-11:50	Tu Th	SCI 110	Brown
310-5 Plant Anatomy						
Lect			6:00-7:15	M W	116	Hewitson
Lab	e401		7:25-9:15	M W	116	Hewitson

BUSINESS EDUCATION (BSED)

201b-3 Typewriting II						
201			10:00-10:50	MTuW F	ANA 103	staff
e202			8:20-10:10	Tu Th	ANA 103	Frost
	401		9:00-9:50	MTuWTh	223	Motley
	e402		8:20-10:10	M W	223	staff
221b-4 Shorthand II						
201			9:00-9:50	MTu ThF	ANA 103	Palmer
e202			6:20-8:10	Tu Th	ANA 103	Frost
	401		10:00-10:50	MTuWTh	223	Motley
	e402		6:20-8:10	M W	223	staff
241-2 Duplicating						
e201			6:20-8:10	M	ANA 103	staff
304-3 Typewriting IV						
201			11:00-11:50	MTuW F	ANA 103	staff
e202			8:20-10:10	M W	ANA 103	staff
	401		11:00-11:50	MTuWTh	223	Houser
	e402		8:20-10:10	M W	223	staff
324b-4 Shorthand V						
201			1:00-1:50	MTu ThF	ANA 103	Brady
e202			6:20-8:10	M W	ANA 103	Frost
	401		1:00-1:50	MTu ThF	223	staff
	e402		6:20-8:10	Tu Th	223	Motley
326-4 Office Theories and Practices						
e401			8:20-10:10	Tu Th	223	Martin
341-4 Office Machines						
e201			6:20-8:10	Tu Th	ANA 111	Palmer
403-3 Teaching Typewriting						
e401			5:30-8:10	Tu	223	Martin
405-4 Teaching Basic Business Subjects						
e201			6:20-8:10	M W	ANA 111	Brady

CHEMISTRY (CHEM)

110-4 General and Inorganic Chemistry						
Lect			9:00-9:50	M W F	SCI 201	White
Lab	201		1:00-3:50	Th	SCI 205	White
111a-5 Chemical Principles and Inorganic Chemistry						
Lect			6:20-7:35	Tu Th	SCI 200	Parrill
			7:45-8:35	Tu	SCI 200	Parrill
Lab	e201		7:45-10:35	Th	SCI 205	Parrill
	Lect		6:20-8:10	Tu Th	112	Stallard
	Lab	401	9:00-11:50	Saturday	125	Stallard
111b-5 Chemical Principles and Inorganic Chemistry						
Lect			8:00-8:50	M W F	SCI 200	Cliff
Lab	201		8:00-8:50	Th	SCI 200	Parrill
			8:00-10:50	Tu	SCI 205	Parrill
Lab	202		8:00-8:50	Tu	SCI 200	Firsching
			8:00-10:50	Th	SCI 205	Firsching
Lab	203		12:00-12:50	M	SCI 201	Cliff
			12:00-2:50	W	SCI 205	Cliff

50 CHEMISTRY (CHEM)

Course No.-Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites)	Instructor
Alton	E. St. Louis	Edwardsville		Place	
111b-5 Chemical Principles and Inorganic Chemistry					
Lab 204		12:00-12:50	W	SCI 201	Firsching
		12:00-2:50	M	SCI 205	Parrill
Lect		12:00-12:50	MTu ThF	115	Rands
Lab 401		1:00-3:50	M	125	Stallard
Lab 402		1:00-3:50	Tu	125	Stallard
Lab 403		1:00-3:50	W	125	Stallard
336b-4 Analytical Chemistry					
Lect		3:00-3:50	Tu Th	SCI 201	Firsching
Lab 201		1:00-3:50	M F	SCI 206	Firsching
Lect		10:00-10:50	Tu Th	112	Chang
Lab 401		8:00-10:50	M W	125	Chang
Lab 402		1:00-3:50	M W	125	Chang
Lab 403		1:00-3:50	Tu Th	125	Rands
341b-5 Organic Chemistry					
Lect		1:00-1:50	M W F	SCI 103	Bardolph
Lab 201		1:00-3:50	Tu Th	SCI 206	Bardolph
Lab 202		8:00-10:50	Tu Th	SCI 206	Cliff
Lect		10:00-10:50	M W F	112	Probst
Lab 401		8:00-10:50	Tu Th	123	Probst
Lab 402		1:00-3:50	M W	123	Probst
Lab 403		1:00-3:50	Tu Th	123	Probst
375-0 to 1 Chemistry Seminar					
201		4:00-4:50	M	SCI 201	Firsching
401		Arranged			Rands
432-4 Instrumental Analytical Techniques					
Lect		2:00-2:50	Tu Th	112	Chang
Lab 401		Arranged			Chang
446-4 Qualitative Organic Chemistry					
Lect		8:00-8:50	Tu Th	SCI 201	Bardolph
Lab 201		8:00-8:50	W F	SCI 206	Bardolph
461b-4 Physical Chemistry					
Lect		1:00-1:50	M W F	SCI 201	White
Lab 201		1:00-3:50	Tu	SCI 203	White
Lect		5:55-7:15	M W	124	Rands
Lab 401		8:00-10:50	Saturday	123	Rands
Lab 402		Arranged			Rands

COMPARATIVE LITERATURE (C LT)

300b-4 Survey of Comparative Literature	
201	Arranged
	Guenther

ECONOMICS (ECON)

210-5 Principles of Economics					
201		11:00-11:50	MTuWThF	ANA 104	Schwier
E202		5:55-8:10	Tu Th	SCI 201	McDonald
	401	9:00-9:50	MTuWThF	205 & 205A	staff
	E402	5:55-8:10	M W	103	staff
307-4 Economic and Business Statistics I					
E201		5:55-8:10	M W	SCI 200	Schwier
	401	8:00-8:50	MTuWThF	205A	Luan
	E402	5:55-8:10	Tu Th	205	Luan
315-4 Money and Banking I					
201		2:00-2:50	MTu ThF	ANA 101	VanDahm
E202		8:20-10:10	Tu Th	ANA 101	VanDahm
	401	2:00-2:50	MTu ThF	222	staff
330-4 Public Finance I: National					
E201		6:20-8:10	M W	ANA 101	staff

Course No.	Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites)	Place	Instructor
		Alton E. St. Louis Edwardsville					
408-4		Economic and Business Statistics II					
	201		9:00-9:50	MTuWThF	ANB 202		Schwier
411-4		Collective Bargaining and Dispute Settlement					
	401		12:00-1:50	Tu Th	220		staff
418-4		Economic History of Europe					
	E201		8:20-10:10	M W	AUD 103		staff
432-3		Fiscal Policy of the United States					
	401		10:00-11:15	Tu Th	208A		Cohen
450-3		History of Economic Thought					
	401		10:00-11:15	W F	201A		Cohen
470-3		Business Cycles					
	201		1:00-2:15	Tu Th	ANB 103		McDonald
	E401		5:30-8:10	W	112		Luan
481-3		Comparative Economic Systems					
	201		12:00-12:50	M W F	SS 106		staff

EDUCATION ADMINISTRATION (EDAD)

355-4		Philosophy of Education					
		E001	5:30-8:10	Th	EJH 101		Curry
			4 additional sessions to be arranged				
	201		1:00-2:50	Tu Th	AUD 100		Curry
		401	2:00-3:50	M W	105		staff
		402	4:20-6:10	M W	205		Lee
420-4		Legal Basis of American Education					
		E001	5:30-8:10	M	EJH 207		Smith
			4 additional sessions to be arranged				
431-4		History of Education in the United States					
		E001	5:30-8:10	M	EJH 211		staff
			4 additional sessions to be arranged				
432-4		Public Opinion, Propaganda, and Education					
		E001	5:30-8:10	Th	EJH 104		staff
			4 additional sessions to be arranged				
500-4		Research Methods					
		E001	5:30-8:10	W	EJH 207		Brinkmann
		E401	5:30-8:10	M	104		Rockwell
524-4		School Administration					
	201		9:00-11:40	Saturday	AUD 100		Wheat
533-4		School Buildings					
		E001	5:30-8:10	Th	EJH 201		Wilkins
534-4		School Finance					
		E001	5:30-8:10	W	EJH 208		Wilkins
554-4		Contrasting Philosophies of Education					
		E001	5:30-8:10	Th	EJH 208		Lee
556-4		Seminar in Educational Supervision					
		E001	5:30-8:10	Th	EJH 103		Wheat

EDUCATION ELEMENTARY (EDEL)

203-3		Understanding the Elementary School Child					
	201		1:00-2:50	Th	ANB 102		Carpenter
		401	2:00-3:50	Tu	105		Kelley
313-4		Children's Literature					
	401		4:20-6:10	M W	105		Kelley
314-4		Elementary School Methods					
	E201		6:20-8:10	Tu Th	AUD 102		Carpenter
		401	12:00-1:50	M W	104		Kelley
337-4		Reading in the Elementary Schools					
	201		1:00-2:50	Tu Th	AUD 102		Bear
		E401	6:20-8:10	Tu Th	104		Steinkellner

52 EDUCATION ELEMENTARY (EDEL)

Course	No.-Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites)	Instructor
Alton	E. St. Louis	Edwardsville			Place	
350d-8 to 12		Kindergarten-Primary Student Teaching				
201		Arranged				Bolton
	401	Arranged				Bolton
350e-4 to 8		Advanced Kindergarten-Primary Student Teaching				
201		Arranged				Bolton
	401	Arranged				Bolton
351d-8 to 16		Elementary Student Teaching				
201		Arranged				Bolton
	401	Arranged				Bolton
351e-4 to 8		Advanced Elementary Student Teaching				
201		Arranged				Bolton
	401	Arranged				Bolton
442-4		Materials and Methods in Elementary School Science				
	401	9:00-11:40	Saturday	106		Bliss
		4 additional sessions to be arranged				
465-4		Seminar in Psychology of Elementary School Subjects				
	E001	5:30-8:10	Th	EJH 203		staff
		4 additional sessions to be arranged				
505-4		Improvement of Reading Instruction				
201		9:00-11:40	Saturday	SCI 003		Steinkellner
515-4		Special Problems in the Teaching of Arithmetic in the Elementary School				
	E001	5:30-8:10	Th	EJH 202		Steinbrook
543-4		Teaching the Social Studies in the Elementary School				
	E201	5:30-8:10	W	SCI 003		Carpenter
559-4		Workshop in Instructional Leadership in Elementary Education				
	E001	5:30-8:10	M	EJH 208		Bolton
561-4		The Elementary School Curriculum				
	E201	5:30-8:10	Tu	ANA 101		Bolton

EDUCATION SECONDARY (ED S)

315-4		High School Methods				
		E001	8:20-10:10	M W	EJH 211	staff
	201		1:00-2:50	Tu Th	S&T 102	Smyers
	401		4:20-6:10	Tu Th	112	Bliss
352d-8 to 12		Secondary Student Teaching				
201	401	Arranged Agriculture				Herbert Smith
202	402	Arranged Art				Herbert Smith
203	403	Arranged Biology				Herbert Smith
204	404	Arranged Business				Herbert Smith
205	405	Arranged Chemistry				Herbert Smith
206	406	Arranged Economics				Herbert Smith
207	407	Arranged English				Herbert Smith
208	408	Arranged Foreign Language				Herbert Smith
209	409	Arranged General Science				Herbert Smith
210	410	Arranged Geography				Herbert Smith
211	411	Arranged Government				Herbert Smith
212	412	Arranged Health Education				Herbert Smith
213	413	Arranged History				Herbert Smith
214	414	Arranged Home Economics				Herbert Smith
215	415	Arranged Industrial Education				Herbert Smith
216	416	Arranged Journalism				Herbert Smith
217	417	Arranged Mathematics				Herbert Smith
218	418	Arranged Music				Herbert Smith
219	419	Arranged Physical Education				Herbert Smith
220	420	Arranged Physics				Herbert Smith
221	421	Arranged Sociology				Herbert Smith
222	422	Arranged Social Studies				Herbert Smith
223	423	Arranged Speech				Herbert Smith
224	424	Arranged Library Service				Herbert Smith

Course	No.-Hours	Descriptive Title		Time	Days	(See page 14 for Prerequisites)	Instructor
	Alton	E. St. Louis	Edwardsville			Place	
	225	425		Arranged Psychology			Herbert Smith
	226	426		Arranged School Nursing			Herbert Smith
352e-4 to 8 Secondary Student Teaching							
(See above listing under 352d)							
	201-226	401-426		Arranged			Herbert Smith
407-4	The Junior High School						
		E401		5:30-8:10	W	225	Hileman
				4 additional sessions to be arranged			
505-4	Improvement of Reading Instruction						
	201			9:00-11:40	Saturday	SCI 003	Steinkellner
508-4	Seminar: Trends in Selected Areas in Secondary Schools						
		E001		5:30-8:10	W	EJH 208	Bliss
550-4	Core Curriculum in the Secondary School						
		E001		5:30-8:10	Th	EJH 204	staff
564-4	High School Principalship						
		E001		5:30-8:10	Th	EJH 205	Brubaker
570-4	Extra-Class Activities						
	E201			5:30-8:10	W	SS 106	Smyers

EDUCATION SPECIAL (SP E)

410-4	Problems and Characteristics of the Mentally Retarded					
	201	4:20-6:10	Tu	Th	SS 201	Johnson
412-4	Education of Gifted Children					
	401	4:20-6:50	M		112	Matthews
	4 additional sessions to be arranged					
413-4	Directed Observation of Exceptional Children					
	201	4:20-6:10	Tu	Th	SS 201	Johnson
428-4	Speech Correction for the Classroom Teacher (Same as SpC 428)					
	E401	5:30-8:10		Th	106	staff
	4 additional sessions to be arranged					
513-4	Organization, Administration, and Supervision of Special Classes					
	E001	5:30-8:10	W		EJH 104	Tucker

ENGLISH (ENG)

302b-4	Survey of English Literature					
	201	1:00-1:50		MTu ThF	SCI 102	Slattery
	E202	8:20-10:10		Tu Th	AUD 102	Duncan
	401	11:00-11:50		MTu ThF	225	Myron Taylor
309a-4	Survey of American Literature					
	201	10:00-10:50		MTu ThF	SCI 003	Zanger
	401	12:00-12:50		MTu ThF	221	Doepke
	E402	8:20-10:10		M W	221	Austin
365-4	Shakespeare					
	201	11:00-12:50		Tu Th	HUM 206	Marion Taylor
390-3	Advanced Composition					
	201	2:00-2:50		M W F	AUD 102	staff
391-3	Usage in Spoken and Written English					
	201	4:30-5:20		MTu Th	AUD 103	Van Syoc
392-3	Professional Writing I					
	201	4:20-6:10		M W	AUD 100	Marion Taylor
400-4	Introduction to English Linguistics					
	E201	6:20-8:10		M W	HUM 206	Van Syoc
420b-4	American Poetry					
	E201	6:20-8:10		Tu Th	HUM 107	Joost
421b-4	Later Romantics					
	201	12:00-12:50		MTu ThF	ANB 102	Duncan

54 ENGLISH (ENG)

Course No.-Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites)	Place	Instructor
Alton	E. St. Louis	Edwardsville				
421d-4	Modern British Poetry					
	E401	8:20-10:10	Tu Th	201A		Allen
447-4	American Humor and Satire					
	401	11:00-12:50	M W	112		Austin
473-4	Milton					
	401	11:00-12:50	Tu Th	103		Revard
485-4	Problems in the Teaching of English					
	401	4:30-5:20	MTu Th	201B		Doepke
500-2	Materials and Methods of Research in English					
	401	Arranged				staff
501-4	Old English Grammar					
	201	1:00-2:50	M W	HUM 206		Wood
515d-4	Studies in American Literature					
	E401	6:20-8:10	M W	208B		staff
515f-4	Studies in American Literature					
	201	Arranged				McDermott

FOREIGN LANGUAGES

French (Fr)

123b-1	French Conversation					
	201	9:00-9:50		F	AUD 101	staff
	202	11:00-11:50		F	SCI 003	staff
	203	2:00-2:50		F	S&T 101	staff
	E204	7:45-8:10	Tu Th		SCI 103	staff
		7:45-8:10	M W		220	staff
	E401					
201b-3	Intermediate French					
	201	10:00-10:50	M W F		HUM 107	staff
220-2	Intermediate French Conversation					
	201	10:00-10:50	Tu Th		HUM 107	staff
301b-4	French Literature from the 18th Century to the Contemporary Period					
	201	1:00-1:50	MTu ThF		S&T 101	staff
311b-3	French Culture and Civilization					
	201	11:00-11:50	M W F		SS 106	Pellegrino

German (Ger)

126b-1	German Conversation					
	201	9:00-9:50		F	SCI 003	staff
	202	11:00-11:50		F	SCI 102	staff
	203	2:00-2:50		F	SCI 003	staff
	E204	7:45-8:10	Tu Th		AUD 101	staff
		9:00-9:50		F	208B	staff
	401	11:00-11:50		F	208B	staff
	402	2:00-2:50		F	208B	staff
	403	7:45-8:10	Tu Th		221	staff
	E404					
201b-3	Intermediate German					
	201	9:00-9:50	M W F		HUM 107	staff
	401	10:00-10:50	M W F		208B	staff
220-2	Intermediate German Conversation					
	201	9:00-9:50	Tu Th		HUM 107	staff
	401	10:00-10:50	Tu Th		208B	staff
311b-3	German Culture and Civilization					
	201	1:00-2:15	M W		HUM 107	Guenther
316b-4	German Literature from Romanticism to Modern Times					
	201	11:00-12:50	M W		S&T 101	staff

Russian (Russ)

136b-1	Russian Conversation					
	201	1:00-1:50		F	HUM 107	staff
	401	9:00-9:50		F	208A	staff

Course No.	Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites)	Instructor
		Alton E. St. Louis Edwardsville			Place	
	E402		7:45-8:10	M W	208A	staff
201b-3	Intermediate Russian					
	201		11:00-11:50	Tu ThF	HUM 107	Smith

Spanish (Span)

140b-1	Spanish Conversation					
	201		11:00-11:50	F	ANB 102	staff
	202		3:00-3:50	F	AUD 103	staff
	401		1:00-1:50	F	221	staff
	E402		7:45-8:10	Tu Th	208B	staff
201b-3	Intermediate Spanish					
	201		10:00-10:50	M W F	AUD 103	staff
	401		10:00-10:50	M W F	124A	staff
220-2	Intermediate Spanish Conversation					
	201		10:00-10:50	Tu Th	AUD 103	staff
	401		10:00-10:50	Tu Th	124A	staff
301c-4	Spanish Literature from the Medieval Period through Romanticism					
	201		1:00-2:50	M W	S&T 102	Goode
304b-4	Modern Spanish Literature					
	401		2:00-3:50	Tu Th	201A	staff

GEOGRAPHY (GEOG)

304-4	Introduction to Economic Geography					
	201		10:00-10:50	MTuWTh	ANA 110	staff
310b-3	Introduction to Cartographic Method					
	E401		6:20-8:10	M W	397-001	Collier
404a-4	Advanced Economic Geography I					
	E401		6:20-8:10	Tu Th	397-001	Mookerjee
405a-4	Advanced Economic Geography II					
	E201		6:20-8:10	M W	ANA 110	staff
416b-4	Advanced Cartography					
	401		1:00-2:50	Tu Th	397-001	Collier
461a-4	Advanced Regional Geography: Anglo-America					
	201		1:00-1:50	MTuWTh	ANA 110	staff
462a-4	Advanced Regional Geography: Europe					
	401		8:00-8:50	MTuW F	105	Guffy
466a-4	Advanced Regional Geography: Asia					
	401		9:00-9:50	MTuW F	105	Mookerjee
467a-4	Advanced Regional Geography: Latin America					
	401		10:00-10:50	MTuW F	105	Schwartz
470b-4	Planning Administration and the Planning Function in Public Processes					
	(Same as Govt 470b)					
	201		Arranged			Mann
522-2 to 6	Seminar in Regional Geography					
	001		Arranged			Snaden

GOVERNMENT (GOVT)

210-4	American Government					
	E201		6:20-8:10	Tu Th	AUD 100	Glaser
	401		10:00-10:50	MTuWTh	103	Schwab
	E402		8:20-10:10	M W	106	Goodman
232-4	State and Local Government					
	401		8:00-8:50	MTuWTh	103	Schwab
340-3	The Legislative Process					
	401		2:00-3:15	M W	201A	Goodman
361-3	Selected Problems in Public Administration and Policy Formulation					
	E401		5:30-8:10	W	201A	Schwab
370-4	International Relations					
	201		9:00-9:50	MTuWTh	SS 106	Glaser

56 GOVERNMENT (GOVT)

Course No.	Hours	Descriptive Title	Time	Days	Place	Instructor
371-4		Problems of American Foreign Policy				
201			12:00-12:50	MTuWTh	AUD 101	Glaser
453-3		Soviet Government and Politics				
E401			5:30-8:10	W	104	Stahnke
458b-4		Government and Politics of Asia				
401			11:00-11:50	MTuWTh	220	Stahnke
470b-4		Planning Administration and the Planning Function in Public Processes				
(Same as Geog 470b)						
201			Arranged			Mann
484b-4		History of Western Political Theory				
201			10:00-10:50	MTuWTh	SS 106	Mace
487b-3		American Political Ideas				
E201			5:30-8:10	M	SS 106	Mace
495b-4		American Constitutional Law				
201			11:00-11:50	MTuWTh	S&T 102	Kerr

GUIDANCE (GUID)

305-4		Educational Psychology				
	E001		8:20-10:10	M W	EJH 204	staff
	201		9:00-10:50	Tu Th	SCI 002	Parker
	202		10:00-10:50	MTu ThF	AUD 102	staff
	E203		8:20-10:10	Tu Th	SCI 102	staff
	401		4:20-6:10	Tu Th	221	Troyer
	402		12:00-1:50	Tu Th	104	Evans
	E403		8:20-10:10	M W	104	staff
412-4		Mental Hygiene				
	E001		5:30-8:10	Th	EJH 210	staff
			4 additional sessions to be arranged			
	401		9:00-11:40	Saturday	104	Moore
			4 additional sessions to be arranged			
420-4		Educational Statistics				
	E201		5:30-8:10	Th	ANA 101	Brinkmann
			4 additional sessions to be arranged			
422-4		Educational Measurements I				
	E001		5:30-8:10	M	EJH 210	Johnson
			4 additional sessions to be arranged			
	E002		8:20-10:10	M W	EJH 205	Russo
	201		1:00-2:50	Tu Th	AUD 103	Moore
	202		4:20-6:10	M W	ANA 101	staff
	401		9:00-11:40	Saturday	105	staff
			4 additional sessions to be arranged			
	402		10:00-11:50	M W	221	Loper
426-4		Individual Inventory				
	201		9:00-12:00	Saturday	ANA 104	Meredith
511-4		Educational Implications of Learning Theories				
	E001		5:30-8:10	M	EJH 209	Brinkmann
522-4		Educational Measurements II				
	E001		5:30-8:10	W	EJH 201	Taliana
525-4		School Behavior Problems and their Prevention				
	201		9:00-12:00	Saturday	ANA 104	Meredith
526-4		Techniques in Individual Guidance				
	E001		5:30-8:10	M	EJH 104	Sonstegard
537-4		Counseling Theory and Practice I				
	E201		5:30-8:10	W	ED 106	Soper
	E401		5:30-8:10	Th	103	Sonstegard
538-4		Counseling Theory and Practice II				
	201		9:00-11:40	Saturday	ED 106	Soper
542-4		Basic Principles of Guidance				
	E201		5:30-8:10	M	SCI 003	Soper

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GUIDANCE (GUID) 57

Course No.	Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites)	Place	Instructor
Alton	E. St. Louis	Edwardsville					
545f-4	Seminar in Guidance: Pupil Adjustment						
201		9:00-12:00	Saturday	ANA 100 & 101		Sonstegard	
545j-4	Seminar in Guidance: Organization and Administration						
E001		5:30-8:10	W	EJH 210		Davis	
562a-4	Child Development in Education						
E001		5:30-8:10	Th	EJH 207		Kuenzli	

HEALTH EDUCATION (H ED)

205-4	Introduction to Health Education						
401		1:00-1:50	MTuW F	115		Klein	
313s-4	Introduction to Safety Education						
E201		6:20-8:10	M W	AUD 100		Spear	
334s-3	First Aid						
201		1:00-2:50	M W	AUD 103		Moehn	
355-4	Introduction to Public Health						
E401		7:00-9:40	Tu	208A		Spear	
	4 additional sessions to be arranged						

HISTORY (HIST)

201a-4	History of the United States						
201		12:00-12:50	MTuWTh	AUD 102		Weiss	
401		10:00-10:50	MTuW F	205A		McCurry	
201b-4	History of the United States						
201		9:00-9:50	MTuWTh	AUD 103		Riddleberger	
E202		6:20-8:10	M W	AUD 103		Weiss	
401		2:00-2:50	MTuWTh	103		Rosenthal	
E402		6:20-8:10	M W	205A		Rosenthal	
309-4	The Negro in America						
401		12:00-12:50	MTuWTh	205A		Riddleberger	
332b-4	Medieval History						
401		11:00-11:50	MTuWTh	205A		Steckling	
367a-3	History of the Far East						
E201		8:20-9:35	Tu Th	AUD 103		staff	
415a-4	History of Early Modern Europe						
401		1:00-1:50	MTuWTh	205A		Erickson	
415c-4	History of Early Modern Europe						
201		1:00-2:50	Tu Th	SS 106		Keleher	
435b-3	Post Civil War America						
201		11:00-11:50	M WTh	AUD 102		Rosenthal	
440b-3	History of American Diplomacy						
201		1:00-1:50	M W F	AUD 102		Weiss	
452-3	Historical Research and Thesis Writing						
E401		6:20-7:35	M W	210		Steckling	
454-3	Biography in American History						
401		9:00-9:50	M W F	103		McCurry	
500-3 to 9	History Seminar						
E001	Arranged					Riddleberger	

HUMANITIES (HUM)

302-3	Humanities Honors						
201		Arranged				Guenther	

INSTRUCTIONAL MATERIALS (IM)

308-4	School Library Technical Processes						
201		4:20-6:10	Tu Th	SCI 002		staff	
400-2	Library Research Methods						
E001		6:20-8:10	Th	EJH 209		staff	

58 INSTRUCTIONAL MATERIALS (IM)

Course No.	Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites)	Instructor
		Alton	E. St. Louis	Edwardsville	Place	
417-4		Audio-Visual Methods in Education				
	201		4:20-6:10	M W	SCI 002	Madison
	202		11:00-12:50	Tu Th	SCI 002	Madison
		401	12:00-1:50	M W	103	Hileman
		402	4:20-6:10	Tu Th	105	Wagner
546-4		Integration of Audio-Visual Materials in the Classroom				
	201		9:00-11:40	Saturday	SCI 002	Madison

JOURNALISM (JRNL)

103-3	News					
	201		11:00-12:15	Tu Th	SU 212	Lee
201a-3	Newswriting and Editing					
		401	2:00-2:50	M	223	Lee
			2:00-3:50	W	223	Lee
201b-3	Newswriting and Editing					
	201		2:00-2:50	Tu	ANA 103	Lee
			2:00-3:50	Th	ANA 103	Lee
370-4	Principles of Advertising (Same as Mktg 333)					
		E401	8:20-10:10	Tu Th	205A	Eckles

MANAGEMENT (MGT)

170-4	Introduction to Business Administration					
		E001	6:20-8:10	M W	EJH 101	staff
	201		9:00-9:50	MTu ThF	ANA 104	Skjerseth
	202		2:00-2:50	MTu ThF	ANA 104	McKinney
	E203		6:20-8:10	M W	ANA 104	staff
		401	10:00-10:50	MTu ThF	115	Meador
		402	2:00-2:50	MTu ThF	205	staff
		E403	6:20-8:10	M W	106	Bucher
241-4	Principles of Programming for Electronic Data Processing					
		E201	5:30-8:10	Tu	ANB 202	McKinney
			Arranged	Saturday	Edwardsville	McKinney
271-4	Business Writing					
	201		12:00-12:50	MTuW F	S&T 102	Brady
		E401	8:20-10:10	M W	220	Houser
320-5	Corporation Finance					
	201		9:00-9:50	MTuWThF	S&T 102	staff
		E401	5:55-8:10	Tu Th	204	Thomas
323-4	Investments					
		E201	8:20-10:10	Tu Th	ANB 102	Cutright
			11:00-11:50	M F	208A	Thomas
		401	11:00-11:50	Tu Th	224	Thomas
327-4	General Insurance					
	201		11:00-11:50	MTu ThF	ANA 101	staff
		E401	8:20-10:10	Tu Th	205	Thomas
340-4	Business Organization and Management					
		E201	6:20-8:10	Tu Th	ANB 102	Cutright
			1:00-1:50	MTu ThF	201B	Meador
361-3	Business Report Writing					
		401	12:00-1:15	Tu Th	205	Martin
371-4	Business Law I					
	201		11:00-11:50	MTuWTh	AUD 100	Heath
		E202	6:20-8:10	M W	ANB 102	Blackledge
			6:20-8:10	M W	212	staff
		E401				
372-4	Business Law II					
	201		8:00-8:50	MTuWTh	ANA 101	Heath
		E202	8:20-10:10	M W	ANB 102	staff
			8:00-8:50	MTuWTh	106	Ruddy
		401				

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MANAGEMENT (MGT) 59

Course	No.-Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites)	Instructor
	Alton	E. St. Louis	Edwardsville		Place	
		E402	8:20-10:10	M W	208B	Ruddy
380-4	Production Management	E201	8:20-10:10	Tu Th	ANB 201	McKinney
		401	9:00-9:50	MTuWTh	212	Ingwersen
385-4	Personnel Management	201	10:00-10:50	MTu ThF	ANA 101	Cutright
		E401	6:20-8:10	Tu Th	212	staff
442-4	Management of Data Processing Systems	E401	6:20-8:10	M	201A	Tarpey
			6:20-8:10	W	Edwardsville	Tarpey
472-4	Small Business	201	8:00-8:50	MTu ThF	ANB 102	Skjerseth
473-4	Business Enterprise and Public Policy	E201	8:20-10:10	Tu Th	ANB 202	Scott
475-4	Budgeting and Systems	E201	8:20-10:10	M W	ANB 202	Blackledge
479-4	Problems in Business and Economics	401	12:00-12:50	Tu Th	225	Ingwersen
			1:00-1:50	Tu Th	201A	Ingwersen
480-4	Seminar in Labor Law	E201	6:20-8:10	Tu Th	ANB 201	Heath
		401	10:00-10:50	MTuWTh	220	Ruddy
481-4	Administrative Management	201	1:00-2:50	Tu Th	ANB 202	Glynn
483-4	Advanced Production Management	E401	8:20-10:10	M W	208A	Ingwersen
485-4	Problems in Personnel Management	201	3:00-3:50	MTu ThF	ANA 100	Blackledge

MARKETING (MKTG)

230-5	Principles of Marketing	201	10:00-10:50	MTuWThF	ANA 104	Vincent
		E202	5:55-8:10	Tu Th	ANA 104	Pinkstaff
		401	11:00-11:50	MTuWThF	115	staff
		E402	5:55-8:10	M W	115	staff
331-4	Retailing	E201	8:20-10:10	Tu Th	ANA 104	Pinkstaff
		401	9:00-9:50	MTuW F	104	staff
333-4	Principles of Advertising (Same as Jrnl 370)	E401	8:20-10:10	Tu Th	205A	Eckles
334-4	Credits and Collections	201	1:00-1:50	MTu ThF	ANA 101	Pinkstaff
		E401	8:20-10:10	M W	212	Bucher
336-3	Purchasing	401	10:00-10:50	M W F	212	Bucher
338-4	Consumer Behavior	201	9:00-9:50	MTu ThF	SS 201	Bosse
		E401	6:20-8:10	Tu Th	224	Eckles
341-4	Transportation	201	8:00-8:50	MTu ThF	ANA 104	Bosse
349-3	Wholesaling	401	12:00-1:15	Tu Th	208B	Eckles
438-4	Sales Management	201	11:00-12:50	M W	ANA 111	Vincent
463-3	Advertising Management	E201	5:30-8:10	M	ANB 202	Bosse
595-3	Seminar in Marketing	E201	5:30-8:10	W	ANB 202	Vincent

60 MATHEMATICS (MATH)

Course No.—Hours Descriptive Title (See page 14 for Prerequisites)
Alton E. St. Louis Edwardsville Time Days Place Instructor

MATHEMATICS (MATH)

100-0	Elementary Mathematics						
	201	1:00–2:50	MTuWThF	SCI 200	Goering		
	401	8:00–8:50	MTu ThF	204	Wang		
111a-5	Elementary Analysis						
	201	9:00–9:50	MTuWThF	SCI 103	Broadbooks		
111b-5	Elementary Analysis						
	201	9:00–9:50	MTuWThF	ANA 100	staff		
	202	10:00–10:50	MTuWThF	SCI 201	Holden		
	203	2:00–2:50	MTuWThF	SCI 201	Gwillim		
	401	10:00–10:50	MTuWThF	204	Fanning		
	402	11:00–11:50	MTuWThF	204	Fanning		
150a-4	Elementary Calculus and Analytic Geometry						
	201	12:00–12:50	MTuWThF	SCI 003	staff		
	401	9:00–9:50	MTuWThF	204	staff		
150b-4	Elementary Calculus and Analytic Geometry						
	201	11:00–11:50	MTuWThF	SCI 201	Pendergrass		
	202	2:00–2:50	MTuWThF	SCI 002	Pendergrass		
	e203	5:55–8:10	Tu Th	S&T 102	English		
	401	9:00–9:50	MTuWThF	225	Lindstrum		
	402	10:00–10:50	MTuWThF	225	Lindstrum		
	e403	5:55–8:10	M W	204	staff		
252a-4	Calculus and Analytic Geometry						
	201	9:00–9:50	MTu ThF	S&T 101	Goering		
	202	1:00–1:50	MTu ThF	SCI 003	Forcade		
	401	1:00–1:50	MTuWTh	204	Rutledge		
	402	2:00–2:50	MTuWTh	104	Rutledge		
305a-3	Applied Mathematics for the Physical Sciences						
	e201	6:20–7:35	M W	S&T 102	Goering		
	401	3:00–3:50	Tu ThF	225	Rogier		
310-4	The Teaching of Elementary Mathematics						
	e201	6:20–8:10	Tu Th	SCI 002	Gwillim		
	e401	8:20–10:10	M W	225	staff		
311-3	The Teaching of Secondary Mathematics						
	201	3:00–3:50	M WTh	SCI 103	Holden		
320a-3	Fundamental Concepts of Algebra						
	201	9:00–10:15	M W	SCI 002	Clemans		
	401	6:20–7:35	Tu Th	225	Bennewitz		
452b-3	Advanced Calculus						
	e001	6:20–7:35	M W	EJH 204	Sturley		
	201	11:00–11:50	M W F	SCI 002	staff		
460-4	Modern Geometry						
	401	2:00–3:50	Tu Th	204	Oursler		
483-3	Statistical Inference						
	e001	8:20–9:35	M W	EJH 102	Pendergrass		
501b-3	Real Variables						
	e001	8:20–9:35	M W	EJH 202	Lindstrum		
520a-4	Modern Algebra						
	e001	6:20–8:10	M W	EJH 205	Oursler		
550-3	Seminar						
	e001	6:20–7:35	M W	EJH 206	Rutledge		

MUSIC (MUS)

001a-1	Symphonic Band						
	201	1:00–1:50	MTuWThF	FAB 101	Fjerstad		
	401	1:00–1:50	Tu Th	130	Mellott		
001b-0	Stage Band						
	201	3:00–3:50	Th	FAB 101	Fjerstad		

Course No.	Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites)	Instructor
Alton	E. St. Louis	Edwardsville			Place	
001c-0	Instrumental Lab					
201			10:00-10:50	Th	FAB 101	Kendall
002a-1	Collegiate Singers					
201			11:00-11:50	M W F	FAB 101	Van Camp
002b-1	University Chorus					
401			2:00-2:50	Tu Th	130 Aud	Van Camp
002e-1	Community Choral Society					
E001			7:30-9:30	Tu	ESH 104	Van Camp
002f-1	Madrigal Singers					
201			11:00-11:50	Th	FAB 101	Van Camp
003-1	University Symphony Orchestra					
201			Arranged			Kendall
010a-1	Class Applied Music-Strings					
201			3:00-3:50	M W	FAB 101	Kendall
010b-1	Class Applied Music-Woodwinds					
201			8:00-8:50	Tu Th	FAB 101	Mellott
010c-1	Class Applied Music-Brass					
201			9:00-9:50	M W	FAB 101	Fjerstad
010e-1	Class Applied Music-Piano					
201	(2nd yr mus mjrs)		9:00-9:50	M W F	FAC 104	Boldt
202	(1st yr mus mjrs)		10:00-10:50	M W F	FAC 104	Boldt
203	(2nd yr non-mjrs)		9:00-9:50	Tu Th	FAC 104	staff
204	(Advanced non-mjrs)		10:00-10:50	Tu Th	FAC 104	staff
401			12:00-1:15	Tu Th	210	Boldt
010f-1	Class Applied Music-Voice					
201			10:00-10:50	M W F	FAB 101	Van Camp
401			3:00-4:15	Tu Th	210	Van Camp
105b-4	Theory of Music					
201			9:00-9:50	MTuWThF	FAC 203	Warren
202			10:00-10:50	MTuWThF	FAC 203	Warren
140 a thru r-2 or 4	Private Applied Music					
201			Arranged			staff
a. Violin		g. Clarinet			m. Trumpet	
b. Viola		h. Bassoon			n. Trombone	
c. Cello		i. Saxophone			o. Tuba	
d. String Base		j. Percussion			p. Baritone	
e. Flute		k. Piano			q. Voice	
f. Oboe		l. French Horn			r. Organ	
200-3	Fundamentals of Music					
401			3:00-3:50	Tu	212	Tulloss
			2:00-3:50	Th	212	Tulloss
205b-3	Theory of Music					
201			8:00-8:50	MTuWTh	FAC 203	Kresteff
240 a thru r-2 or 4	Private Applied Music (See Mus 140 above)					
201			Arranged			staff
300-3	Music Education—Elementary					
201			11:00-11:50	M W F	FAC 201	Tulloss
301b-3	Music Education					
201			10:00-10:50	M W F	FAC 201	Tulloss
309a-3	Orchestration I					
201			9:00-9:50	M W F	FAC 201	Mellott
318b-3	Conducting					
201			8:00-8:50	M W F	FAB 101	Kendall, Van Camp
340 a thru r-2 or 4	Private Applied Music (See Mus 140 above)					
201			Arranged			staff
355a-1	Chamber Music Ensemble—Brass					
201			3:00-3:50	Tu	FAB 101	Fjerstad

62 MUSIC (MUS)

Course No.-Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites)	Instructor
Alton	E. St. Louis	Edwardsville		Place	
355b-1	Chamber Music Ensemble—Woodwind				
201		12:00-12:50	M W	FAB 101	Mellott
355c-1	Chamber Music Ensemble—String				
201		4:00-4:50	M W	FAC 104	Kendall
440 a thru r-2 or 4	Private Applied Music (See Mus 140 above)				
201	Arranged				staff
442a-3	Contrapuntal Forms				
E201		5:30-8:10	Tu	FAC 201	Warren
465-3	Development and Teaching of Strings				
E201		5:30-8:10	Tu	FAB 101	Kendall
540 a thru r-2 or 4	Private Applied Music (See Mus 140 above)				
201	Arranged				staff
550b-4	Organization and Administration of the Music Education Program				
E201		5:30-8:10	M	FAC 203	Blakely

NURSING (NURS)

101b-1	Orientation to Nursing				
401		9:00-9:50	M	220	Shay
210-2	Normal Nutrition				
401		4:20-6:10	M W	220	staff
302-8	Pediatric Nursing				
401		7:00-12:00	M W F	Hospital	staff
		1:00-2:50	M W	210	staff
355-4	Background and Trends in Nursing				
401		4:20-6:10	Tu Th	220	staff
363c-14	Medical-Surgical Nursing III				
401		7:00-3:30	M W F	Hospital	
		10:00-11:50	Tu Th	210	Jimison, Parker,
		1:00-2:50	Tu Th	208A	Zich
375-8	Public Health Nursing				
401		8:30-4:00	M W	Agency	Burton
		9:00-11:00	Tu	Agency	Burton

PHILOSOPHY (PHIL)

200-4	Types of Philosophy				
E401		8:20-10:10	M W	205	Murdoch
240-4	Ethics				
201		12:00-12:50	MTu ThF	ANB 103	staff
	401	12:00-12:50	MTu ThF	124A	staff
302-4	World Religions				
E401		6:20-8:10	M W	205	Murdoch
381b-4	History of Western Philosophy				
401		2:00-3:50	Tu Th	221	Linden
443-4	Philosophy of History				
E201		8:20-10:10	M W	AUD 102	staff
484b-4	History of Western Political Theory				
401		2:00-3:50	M W	208A	Runkle

PHYSICAL EDUCATION (P E)

350-4	Methods and Materials for Teaching Physical Education Activities in the Elementary School				
E201		6:20-8:10	M W	GYM 102 & SCI 103	Hatheway
	401	8:00-9:50	Tu Th	009 Gym & 112 Moehn	
370-4	Tests and Measurements in Physical Education				
201		1:00-1:50	MTuWTh	SCI 002	Archangel

Course No.-Hours Descriptive Title (See page 14 for Prerequisites)
Alton E. St. Louis Edwardsville Time Days Place Instructor

PHYSICAL EDUCATION—MEN (PEM)

100a-1	Physical Education Skill Courses for Men: Basic Rhythms I	.....
201	1:00-2:50	F GYM 102 Carpenter
100d-1	Physical Education Skill Courses for Men: Beginning Gymnastics	.....
201	9:00-9:50	Tu Th GYM 102 Hatheway
100j-1	Physical Education Skill Courses of Men: Indoor Net Games	.....
201	11:00-11:50	M W GYM 102 Hatheway

PHYSICAL EDUCATION—WOMEN (PEW)

100a-1	Physical Education Skill Courses for Women: Basic Rhythms I	.....
201	1:00-2:50	F GYM 102 Carpenter
100k-1	Physical Education Skill Courses for Women: Stunts and Tumbling	.....
201	9:00-9:50	Tu Th GYM 102 Archangel
100q-1	Physical Education Skill Courses for Women: Life Saving	.....
E201	7:00-9:00	Th GYM 102 Archangel
323-1 to 3	Officiating Techniques	.....
201	2:00-2:50 & arranged	F GYM 102 Archangel

PHYSICS (PHYS)

211b-5	University Physics	.....
Lect	9:00-9:50	M W F SCI 200 Sokolowski
	9:00-10:50	Tu SCI 200 Sokolowski
Lab 201	9:00-10:50	Th SCI 007 Sokolowski
Lab 202	11:00-12:50	Th SCI 007 Sokolowski
Lab 203	1:00-2:50	Th SCI 007 Sokolowski
E401	6:00-9:05	Tu Th 124 & 124A staff
211c-5	University Physics	.....
Lect	11:00-11:50	MTu ThF 124A Shaw
Lab 401	Arranged	staff
300-5	University Physics IV	.....
Lect	8:00-8:50	MTuW F SCI 102 Sokolowski
Lab 201	1:00-2:50	Tu SCI 009 Sokolowski
301a-4	Mechanics	.....
E201	6:20-8:10	M W SCI 201 staff
401	2:00-3:50	Tu F 124A staff
305a-4	Introduction to Electric Theory	.....
201	1:00-2:50	M W SCI 009 Boedeker
375-1	Seminar	.....
201	3:00-3:50	Tu SCI 003 Boedeker
415b-4	Modern Physics	.....
201	12:00-12:50	MTuW F SCI 009 Boedeker
E401	6:20-8:10	M W 124A Walford
418-1 to 4	Modern Physics Laboratory	.....
201	Arranged	staff
401	Arranged	Shaw
501b-5	Methods of Theoretical Physics	.....
E201	5:55-8:10	Tu Th HUM 206 McAneny

PHYSIOLOGY (PHSL)

209-4	Principles of Physiology	.....
Lect	12:00-1:50	Tu SCI 201 Ratzlaff
	12:00-12:50	Th SCI 201 Ratzlaff
Lab 201	12:00-1:50	M W SCI 111 Ratzlaff
316-5	Advanced College Physiology	.....
Lect	8:00-9:50	M SCI 111 Ratzlaff
	9:00-9:50	W SCI 111 Ratzlaff
Lab 201	8:00-9:50	Tu Th SCI 111 Ratzlaff

64 PHYSIOLOGY (PHSL)

Course No.—Hours Descriptive Title (See page 14 for Prerequisites)
 Alton E. St. Louis Edwardsville Time Days Place Instructor

460b-4	Mammalian Physiology						
Lect		8:00–9:50	M		SCI 111	Ratzlaff	
		9:00–9:50		W	SCI 111	Ratzlaff	
Lab 201		8:00–9:50	Tu Th		SCI 111	Ratzlaff	

PSYCHOLOGY (PSYC)

211-4	Principles and Methods of Psychology I						
201		11:00–12:50	Tu Th		SCI 200	Rockwell	
301-4	Child Psychology						
201		4:20–6:10	M W		ANB 201	staff	
	E401	8:20–10:10	Tu Th		104	Troyer	
303-4	Adolescent Psychology						
401		4:20–6:10	Tu Th		104	Reed	
305-4	Personality Dynamics						
E201		6:20–8:10	M W		SS 201	staff	
307-4	Social Psychology						
E201		6:20–8:10	Tu Th		SS 201	Kuenzli	
311-4	Experimental Psychology						
401		2:00–3:50	M W		221	staff	
320-4	Introduction to Industrial Psychology						
201		11:00–12:50	Tu Th		S&T 101	Moore	
407-4	Theories of Learning						
	E001	5:30–8:10	M		EJH 209	Brinkmann	
		4 additional sessions to be arranged					
421-4	Psychological Tests and Measurements						
	E001	5:30–8:10		W	EJH 211	staff	
		4 additional sessions to be arranged					
479-4	Psychology of Industrial Conflict						
	E001	5:30–8:10		Th	EJH 102	Southwood	
		4 additional sessions to be arranged					

RADIO-TELEVISION (R-T)

368b-4	Fundamentals of Radio and Television Production						
201		8:00–9:50	Tu Th		TV 104	Lyle	

SOCIOLOGY (SOC)

101-4	Introductory Sociology						
201		3:00–3:50	MTuWTh		ANA 101	More	
	E401	6:20–8:10	M W		224	Seymour	
102-4	Social Problems						
401		1:00–1:50	MTuWTh		224	staff	
306-4	Social Control						
201		3:00–3:50	MTuWTh		SS 201	Remmling	
312-4	Sociological Research						
401		9:00–9:50	MTuWTh		224	J. Schusky	
321-4	Socialization of the Individual						
201		1:00–1:50	MTuWTh		SS 201	More	
332-4	Social Organization						
401		1:00–2:50	Tu Th		225	staff	
333-4	Community Organization						
401		8:00–8:50	MTuWTh		224	staff	
335-4	Urban Sociology						
E201		6:20–8:10	M W		ANB 201	Campbell	
372-4	Criminology						
401		11:00–11:50	MTuWTh		205	Rudwick	
373-4	Juvenile Delinquency						
	E001	6:20–8:10	M W		EJH 202	Dosick	
380-4	Introduction to Social Work						
	E401	8:20–10:10	M W		224	VanderWiel	

Course	No.-Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites)	Instructor
	Alton	E. St. Louis	Edwardsville		Place	
406-4	Social Change					
	201		12:00-12:50	MTuWTh	SS 201	Remmling
407-4	Integrated Sociology					
	E401		8:20-10:10	Tu Th	224	staff
426-4	Social Factors in Behavior and Personality					
	201		4:00-4:50	MTuWTh	SS 201	More
427-4	Personality and Social Adjustment					
	E001		8:20-10:10	M W	EJH 103	staff
481-4	Processes in Social Work					
	401		12:00-12:50	MTuWTh	224	staff

SPEECH (SPCH)

102-4	Public Speaking					
	401		10:00-10:50	M WThF	106	Cornwell
104-4	Training the Speaking Voice					
	201		9:00-9:50	MTu ThF	ANB 201	Smith
202-3	Principles of Discussion					
	201		1:00-1:50	Tu	ANB 102	Robinson
			1:00-2:50	Th	SU	
230-1	Speech Activities					
	201		3:00-4:30	M W	ANB 202	Robinson
	401		4:00-4:50	MTuWThF	130 Aud	Birdman
306-4	Teaching Speech in Secondary Schools					
	201		10:00-11:50	Tu Th	ANB 201	White
330-1	Speech Activities					
	201		3:00-4:30	M W	ANB 202	Robinson
	401		4:00-4:50	MTuWThF	130 Aud	Birdman

SPEECH CORRECTION (SP C)

100-0	Speech Clinic					
	401	Arranged				staff
428-4	Speech Correction for the Classroom Teacher (Same as SpE 428)					
	E401		5:30-8:10	Th	106	staff
		4 additional sessions to be arranged				

THEATER (THEA)

121b-3	Production Techniques					
	401		3:00-3:50	M W F	130 Aud	staff
306-4	Introduction to Playwriting					
	401		2:00-3:50	Tu Th	220	Birdman

ZOOLOGY (ZOO)

102-5	General Invertebrate Zoology					
	Lect		2:00-2:50	Tu Th	SCI 102	Myer
	Lab 201		2:00-3:50	M W F	SCI 110	Myer
	Lect		11:00-11:50	Tu Th	112	Wooldridge
	Lab 401		10:00-11:50	M W F	116	Wooldridge
300-5	Vertebrate Embryology					
	Lect		9:00-9:50	Tu Th	SCI 110	Myer
	Lab 201		8:00-9:50	M W F	SCI 110	Myer
313-3	Evolution					
	201		10:00-10:50	M W F	SCI 200	Broadbooks
314-4	Heredity and Eugenics					
	401		1:00-1:50	MTuWTh	124A	Frost
382b-1/2	Zoology Seminar for Seniors					
	201	Arranged				Axtell
400-3	Animal Taxonomy					
	E201		6:20-8:10	Tu Th	SCI 110	Axtell

Course No.-Hours Descriptive Title Time Days (See page 14 for Prerequisites)
 Alton E. St. Louis Edwardsville Place Instructor

GENERAL STUDIES AREA A—MAN'S PHYSICAL ENVIRONMENT AND BIOLOGICAL INHERITANCE (GSA)

101a-3 Introduction to Physical Sciences

Lab and Friday lecture meet every other week

Lect	3:00-3:50	M	W	F	SCI 102	staff
Lab 201	3:00-4:50			Th	SCI 007	staff
Lect	3:00-3:50	M	W	F	124A	staff
Lab 401	3:00-4:50			Th	124	staff

101b-3 Introduction to Physical Sciences

Student enrolls in lecture and one lab (Lab and Friday lecture meet every other week)

Lect	9:00-9:50	Tu	ThF	AUD 200	staff
Lab 201	3:00-4:50	Tu		SCI 007	staff
Lab 202	11:00-12:50		W	SCI 007	staff
Lab 203	1:00-2:50		W	SCI 007	staff
Lect	9:00-9:50	Tu	ThF	130 Aud	staff
Lab 401	9:00-10:50	M		124	staff
Lab 402	9:00-10:50		W	124	staff

101c-3 Introduction to Physical Sciences

Student enrolls in lecture and one lab

Lect	3:00-3:50	Tu	Th	AUD 200	Parrill
Lab 201	8:00-9:50		W	SCI 205	White
Lab 202	11:00-12:50		Th	SCI 205	Parrill
Lab 203	11:00-12:50		F	SCI 205	White
Lab 204	1:00-2:50		F	SCI 205	Parrill
Lab 205	3:00-4:50	M		SCI 205	White
Lect	3:00-3:50	Tu	Th	115	Stallard
Lab 401	9:00-10:50	Tu		125	Stallard
Lab 402	9:00-10:50		Th	125	Stallard
Lab 403	1:00-2:50		F	125	Stallard
Lab 404	3:00-4:50		F	125	Stallard

200-3 Earth Science

Day student enrolls in lecture and associated lab

Lect (201&202)	8:00-8:50	M	W	ANA 110	staff
Lab 201	8:00-9:50	Tu		ANA 110	staff
Lab 202	8:00-9:50		Th	ANA 110	staff
Lect (203&204)	1:00-1:50	M	W	ANA 110	Baker
Lab 203	12:00-1:50		Th	ANA 110	Baker
Lab 204	1:00-2:50	Tu		ANA 110	Baker
E205	6:20-8:10	Tu	Th	ANA 110	Koepke
Lect (401 & 402)	8:00-8:50	M	W	105	Guffy
Lab 401	8:00-9:50	Tu		397-001	Guffy
Lab 402	8:00-9:50		Th	397-001	Guffy
E403	8:20-10:10	M	W	397-001	Mookerjee

201b-3 Man's Biological Inheritance

Day student enrolls in lecture and one lab

Lect	10:00-10:50	Tu	Th	SCI 102	Wooldridge
Lab 201	10:00-11:50	M		SCI 111	Wooldridge
Lab 202	10:00-11:50		W	SCI 111	Wooldridge
Lect	2:00-2:50	M	W	115	Myer
Lab 401	1:00-2:50	Tu		116	Myer
Lab 402	1:00-2:50		Th	116	Myer
E403	6:20-8:10	Tu	Th	116	Wooldridge

201c-3 Man's Biological Inheritance

Day student enrolls in lecture and one lab

Lect	3:00-3:50	M	W	AUD 200	Brown
Lab 201	12:00-1:50	Tu		SCI 111	Brown
Lab 202	2:00-3:50	Tu		SCI 111	Brown

Course No.-Hours	Descriptive Title			Time	Days	(See page 14 for Prerequisites)	
	Alton	E. St. Louis	Edwardsville			Place	Instructor
Lab 203				12:00-1:50	Th	SCI 111	Brown
Lab 204				2:00-3:50	Th	SCI 111	Brown
E205				6:20-8:10	M W	SCI 111	staff
312-3	Conservation of Natural Resources						
201				9:00-9:50	M W F	ANA 110	Kazeck
		401		10:00-10:50	M W F	105	Collier
358a-3	Analysis of Physical Systems						
201				10:00-10:50	M W	SCI 003	Sokolowski
				10:00-11:50	F	SCI 007	Sokolowski

GENERAL STUDIES AREA B—MAN’S INHERITANCE AND SOCIAL RESPONSIBILITIES (GSB)

101a-3	Survey of Western Tradition						
201				8:00-8:50	M W F	ANA 104	Baker
E202				8:20-9:35	Tu Th	ANA 110	Koepke
		401		11:00-12:15	Tu Th	130	Schwartz
		E402		8:20-9:35	Tu Th	105	Schwartz
101b-3	Survey of Western Tradition						
201				12:00-12:50	M W F	AUD 103	Gallaher
		401		12:00-12:50	M W F	112	Haas
101c-3	Survey of Western Tradition						
201				12:00-12:50	M W F	AUD 200	staff
202				2:00-2:50	M W F	AUD 200	staff
E203				8:20-9:35	M W	AUD 103	Gallaher
		401		8:00-8:50	M W F	130	Steckling
		402		2:00-2:50	M W F	130	Steckling
		E403		6:20-7:35	M W	112	Keleher
201a-3	Culture, Society, Behavior						
201				12:00-12:50	M W F	S&T 101	E. Schusky
		401		9:00-9:50	M W F	224	staff
201b-3	Culture, Society, Behavior						
201				11:00-11:50	M W F	SCI 200	Campbell
		401		12:00-12:50	M W F	205A	Rudwick
201c-3	Culture, Society, Behavior						
201				10:00-10:50	M W F	AUD 200	Kuenzli
E202				5:30-8:10	Tu	AUD 200	staff
		401		10:00-10:50	M W F	130	staff
		E402		5:30-8:10	M	115	staff
211a-3	Political Economy						
201				10:00-10:50	M W F	SCI 102	Schwier
E202				5:30-8:10	W	AUD 100	VanDahm
		401		9:00-9:50	M W F	103	staff
		E402		5:30-8:10	Tu	205A	staff
211b-3	Political Economy						
201				9:00-9:50	MTu Th	ANA 104	Glaser
		401		8:00-8:50	M WTh	103	Schwab
211c-3	Political Economy						
201				12:00-1:15	Tu Th	ANA 104	McDonald and Kerr
E202				5:30-8:10	M	AUD 100	Mace and staff
		401		1:00-2:15	Tu Th	103	Stahnke and staff
		E402		5:30-8:10	W	103	Schwab and staff
311-3	Economic Development of the United States						
E201				5:30-8:10	Tu	AUD 100	McDonald
		401		11:00-12:15	Tu Th	105	staff

68 GENERAL STUDIES AREA B (GSB)

Course	No.-Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites)	Instructor
Alton	E. St. Louis	Edwardsville			Place	
311-3		Economic Development of the United States				
	E402		5:30-8:10	M	103	staff
331-3		The American Educational Systems				
	E001		5:30-8:10	Th	EJH 102	Jung
	201		11:00-12:15	Tu Th	SCI 200	Wheat
	E202		4:55-6:10	M W	AUD 103	Wheat
	401		12:00-1:15	M W	103	staff
354-3		Industrial Economic Geography				
	201		11:00-11:50	M W F	ANA 110	Koepke
	401		11:00-11:50	M W F	105	Collier
359b-3		Society and State				
	201		2:00-2:50	MTu Th	AUD 102	Mace, Remmling

GENERAL STUDIES AREA C—MAN'S INSIGHTS AND APPRECIATIONS (GSC)

100-3		Music Understanding				
	201		9:00-9:50	M W F	FAC 203	Kresteff
	401		11:00-11:50	M W F	212	Tulloss
101-3		Art Appreciation				
	201		10:00-10:50	M W F	FAA 104	Buddemeyer
	202		11:00-11:50	M W F	FAA 104	Marcell
	203		12:00-12:50	M W F	FAA 104	Howerton
	204		1:00-2:15	Tu Th	FAA 104	Huntley
	E205		6:20-7:35	Tu Th	FAA 104	staff
	401		9:00-9:50	M W F	221	Kemper
	402		2:00-3:15	M W	221	staff
	403		4:20-5:35	M W	221	Milovich
151-3		Introduction to Poetry				
	E001		6:20-7:35	M W	EJH 101	staff
	E002		8:20-9:35	M W	EJH 102	staff
	E003		6:20-7:35	M W	EJH 102	staff
	201		8:00-8:50	MTu F	HUM 107	staff
	202		9:00-9:50	M W F	AUD 100	staff
	203		10:00-10:50	MTu F	AUD 102	staff
	204		1:00-1:50	MTu F	AUD 100	staff
	205		12:00-12:50	Tu ThF	S&T 102	staff
	206		12:00-12:50	M W F	HUM 107	staff
	207		1:00-1:50	MTu F	AUD 101	staff
	208		2:00-2:50	MTu F	AUD 101	staff
	209		3:00-3:50	MTu Th	AUD 102	staff
	210		4:30-5:20	M W F	AUD 100	staff
	211		8:00-8:50	MTu F	AUD 102	staff
	E212		6:20-7:35	Tu Th	SCI 102	staff
	E213		8:20-9:35	Tu Th	AUD 100	staff
	214		11:00-11:50	MTu F	AUD 100	staff
	401		8:00-8:50	MTu F	224	staff
	402		9:00-9:50	MTu F	222	staff
	403		10:00-10:50	M W F	201B	staff
	404		11:00-11:50	MTu Th	222	staff
	405		12:00-12:50	M W F	221	staff
	406		12:00-12:50	MTu F	224	staff
	407		1:00-1:50	MTu F	222	staff
	408		2:00-2:50	M ThF	201B	staff
	409		3:00-3:50	M W F	222	staff
	410		4:30-5:20	MTu F	201B	staff
	411		10:00-10:50	MTu F	220	staff
	E412		6:20-7:35	Tu Th	222	staff

Course	No.-Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites)	Instructor
	Alton	E. St. Louis	Edwardsville		Place	
		E413	8:20-9:35	Tu Th	222	staff
		414	8:00-8:50	MTu F	221	staff
152-3	Logic					
	Lect		10:00-10:50	Tu Th	AUD 200	Morrison
	201		3:00-3:50	M	ANB 201	Morrison
	202		3:00-3:50		F AUD 102	Morrison
	203		2:00-2:50		F AUD 102	Morrison
	E204		8:20-9:35	Tu Th	AUD 101	Morrison
	Lect		11:00-11:50	Tu Th	212	staff
	401		11:00-11:50	M	221	staff
	402		11:00-11:50		F 221	staff
	403		12:00-12:50		F 205	staff
	E404		8:20-9:35	Tu Th	224	staff
251a-3	Literary and Philosophical Masterpieces					
	201		9:00-9:50	M W F	AUD 102	staff
	401		11:00-11:50	MTu Th	205A	staff
251b-3	Literary and Philosophical Masterpieces					
	201		12:00-12:50	M W F	SS 201	staff
	401		10:00-10:50	MTu Th	222	staff
251c-3	Literary and Philosophical Masterpieces					
	201		1:00-1:50	M W F	AUD 200	staff
	E202		6:20-7:35	M W	AUD 200	staff
	401		8:00-8:50	M W F	115	staff
	E402		8:20-9:35	M W	115	staff
255-3	Music in History					
	E001		8:20-9:35	M W	EJH 108	Mellott
351c-4	History of World Art					
	201		10:00-11:50	Tu Th	FAA 104	Richardson
354b-3	History of the Theater					
	401		2:00-2:50	M W F	104	Birdman
357c-3	Music History and Literature					
	201		10:00-11:50	Tu	FAC 201	Kresteff
			11:00-11:50	Th	FAC 201	Kresteff
360b-3	Arts and Ideals in Famous Cities					
	201		12:00-12:50	MTu F	ANB 201	staff

GENERAL STUDIES AREA D—ORGANIZATION AND COMMUNICATION OF IDEAS (GSD)

101a-3	English Composition					
	201		8:00-8:50	MTu ThF	AUD 100	staff
	202		12:00-12:50	MTu ThF	AUD 100	staff
	E203		6:20-8:10	M W	AUD 101	staff
	401		8:00-8:50	MTu ThF	222	staff
	402		12:00-12:50	MTu ThF	201B	staff
	E403		6:20-8:10	M W	201B	staff
101b-3	English Composition					
	E001		8:20-10:10	M W	EJH 101	staff
	201		8:00-8:50	MTu ThF	AUD 101	staff
	202		12:00-12:50	MTu ThF	AUD 102	staff
	E203		8:20-10:10	M W	AUD 100	staff
	204		3:00-3:50	MTu ThF	AUD 100	staff
	401		8:00-8:50	MTu ThF	201B	staff
	402		12:00-12:50	MTu ThF	222	staff
	E403		8:20-10:10	M W	222	staff
	404		2:00-2:50	MTu ThF	222	staff
103-3	Oral Communication of Ideas					
	E001		8:20-9:35	M W	EJH 103	Cornwell
	201		8:00-8:50	M W F	ANB 201	Robinson

70 GENERAL STUDIES AREA D (GSD)

Course	No.-Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites)	Instructor
Alton	E. St. Louis	Edwardsville			Place	
103-3 Oral Communication of Ideas						
202			9:00-9:50	M W F	ANB 102	White
203			10:00-10:50	M W F	ANB 102	Smith
204			11:00-11:50	M W F	ANB 103	Smith
205			12:00-12:50	M W F	ANB 102	Robinson
206			1:00-1:50	M W F	ANB 102	Robinson
207			1:00-1:50	M W F	ANB 103	Lyle
208			2:00-2:50	M W F	ANB 102	Lyle
209			3:00-4:15	Tu Th	ANB 201	Kochman
E210			6:20-7:35	Tu Th	ANB 103	Lyle
	401		8:00-8:50	M W F	106	staff
	402		9:00-9:50	M W F	106	staff
	403		10:00-10:50	M W F	115	staff
	404		11:00-11:50	M W F	106	Pritner
	405		12:00-12:50	M W F	106	Pritner
	406		1:00-1:50	M W F	106	Birdman
	407		2:00-2:50	M W F	106	Pritner
	408		3:00-3:50	M W F	106	staff
	409		10:00-10:50	M W F	208A	Cornwell
	E410		6:20-7:35	M W	105	staff
112b-3 Introduction to Mathematics						
201			11:00-12:15	Tu Th	SCI 103	Forcade
E202			6:55-8:10	M W	SCI 200	Broadbooks
	401		3:00-3:50	M WTh	205A	staff
112c-3 Introduction to Mathematics						
201			8:00-8:50	M W F	AUD 200	English
E202			8:20-9:35	Tu Th	SCI 002	Forcade
	401		1:00-1:50	M W F	212	Bennewitz
	E402		8:20-9:35	M W	225	staff
114a-3 College Algebra						
201			12:00-12:50	M W F	SCI 103	staff
114b-3 College Algebra						
201			8:00-8:50	M W F	SCI 200	Goering
202			3:00-3:50	M WTh	SCI 103	English
	401		1:00-1:50	M W F	204	Wang
	E402		8:20-9:35	Tu Th	225	Bennewitz
114c-3 Trigonometry						
201			8:00-8:50	M W F	SCI 103	Gwillim
E202			8:20-9:35	M W	SCI 002	Holden
	401		1:00-1:50	M W F	225	staff
	E402		8:20-9:35	Tu Th	204	staff
114d-3 Statistics						
201			8:00-8:50	M W F	SCI 003	McDonald
202			9:30-10:50	Tu Th	SCI 103	Broadbooks
E203			5:30-8:10	Tu	SCI 103	McDonald
	401		11:00-11:50	M W F	203	Luan
	402		2:00-2:50	M W F	225	Fanning
	E403		5:30-8:10	Th	225	staff
123c-3 Elementary French						
201			9:00-9:50	MTu Th	AUD 101	staff
202			11:00-11:50	MTu Th	SCI 003	staff
203			2:00-2:50	MTu Th	S&T 101	staff
E204			6:20-7:35	Tu Th	SS 201	staff
	E401		6:20-7:35	M W	220	staff
126c-3 Elementary German						
201			9:00-9:50	MTu Th	ANA 100	staff
202			11:00-11:50	MTu Th	SCI 102	staff
203			2:00-2:50	MTu Th	SCI 103	staff
E204			6:20-7:35	Tu Th	HUM 107	staff

Course No.	Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites)	Instructor
Alton	E. St. Louis	Edwardsville			Place	
		401	9:00-9:50	MTu Th	208B	staff
		402	11:00-11:50	MTu Th	208B	staff
		403	2:00-2:50	MTu Th	208B	staff
		E404	6:20-7:35	Tu Th	208B	staff
136c-3	Elementary	Russian				
	201		1:00-2:15	Tu Th	HUM 107	staff
		401	9:00-9:50	MTu Th	208A	staff
		E402	6:20-7:35	M W	208A	staff
140c-3	Elementary	Spanish				
	201		11:00-11:50	MTu Th	ANB 102	staff
	202		3:00-3:50	MTu Th	AUD 103	staff
		401	1:00-1:50	MTu Th	208B	staff
		E402	6:20-7:35	Tu Th	221	staff

GENERAL STUDIES AREA E—HEALTH AND PHYSICAL DEVELOPMENT (GSE)

101a-1	Swimming: Beginning Swimming (Men)					
	201	11:00-12:50	M W		GYM 102	Hatheway
		401	10:00-11:50	Tu Th	009 Gym	Moehn
102-1	Physical Fitness (Men)					
	201	10:00-10:50	Tu Th		GYM 102	Hatheway
		401	2:00-2:50	Tu Th	009 Gym	Moehn
		402	3:00-3:50	Tu Th	009 Gym	Moehn
103b-1	Dance: Folk Dance (Men)					
	201	1:00-1:50	Tu Th		GYM 102	Carpenter
		401	10:00-10:50	M W	009 Gym	Carpenter
103c-1	Dance: Social Dance (Men)					
	401	12:00-12:50	Tu Th		009 Gym	staff
104d-1	Individual and Team Activity: Bowling (Men)					
	201	9:00-9:50	W F		GYM 102	staff
	202	10:00-10:50	W F		GYM 102	staff
		401	9:00-9:50	Tu Th	009 Gym	staff
104e-1	Individual and Team Activity: Golf (Men)					
	201	9:00-9:50	Tu Th		GYM 102	Klein
		401	1:00-1:50	Tu Th	009 Gym	Moehn
104h-1	Individual and Team Activity: Tennis (Men)					
	201	9:00-9:50	Tu Th		GYM 102	Hatheway
	202	1:00-1:50	Tu Th		GYM 102	Hatheway
	203	2:00-2:50	Tu Th		GYM 102	Hatheway
104j-1	Individual and Team Activity: Softball (Men)					
	201	1:00-1:50	M W		GYM 102	Showers
111a-1	Swimming: Beginning Swimming (Women)					
	201	12:00-1:50	M W		GYM 102	Archangel
		401	10:00-11:50	Tu Th	009 Gym	Moehn
111b-1	Swimming: Intermediate Swimming (Women)					
	201	12:00-1:50	M W		GYM 102	Archangel
113b-1	Dance: Folk Dance (Women)					
	201	1:00-1:50	Tu Th		GYM 102	Carpenter
		401	10:00-10:50	M W	009 Gym	Carpenter
113c-1	Dance: Social Dance (Women)					
	401	12:00-12:50	Tu Th		009 Gym	staff
113d-1	Dance: Beginning Contemporary Dance (Women)					
	201	2:00-2:50	Tu Th		GYM 102	Carpenter
		401	11:00-11:50	M W	009 Gym	Carpenter
114a-1	Individual and Team Activity: Archery (Women)					
	201	2:00-2:50	W F		GYM 102	staff
114d-1	Individual and Team Activity: Bowling (Women)					
	201	9:00-9:50	W F		GYM 102	staff

72 GENERAL STUDIES AREA E (GSE)

Course No.	Hours	Descriptive Title	Time	Days	Place	Instructor
Alton	E. St. Louis	Edwardsville				
114d-1		Individual and Team Activity: Bowling (Women)				
	401		9:00-9:50	Tu Th	009 Gym	staff
114e-1		Individual and Team Activity: Golf (Women)				
	201		9:00-9:50	Tu Th	GYM 102	Klein
	401		2:00-2:50	Tu Th	009 Gym	staff
114h-1		Individual and Team Activity: Tennis (Women)				
	201		9:00-9:50	M W	GYM 102	staff
	202		11:00-11:50	M W	GYM 102	staff
	203		2:00-2:50	Tu Th	GYM 102	Hatheway
114j-1		Individual and Team Activity: Softball (Women)				
	201		10:00-10:50	M W	GYM 102	staff
	401		10:00-10:50	Tu Th	009 Gym	staff
114k-1		Individual and Team Activity: Horseback Riding (Women)				
	201		2:00-3:50	M	GYM 102	staff
201-3		Healthful Living				
	201		11:00-11:50	M W F	AUD 200	Spear
	401		1:00-1:50	M W F	130	Klein
	402		4:55-6:10	M W	212	Klein

ACCOUNTING (ACCT)

251b-4		Elementary Accounting II				
	201		1:00-1:50	MTu ThF	ANA 100	Schmitt
	E202		6:20-8:10	Tu Th	ANA 100	Schuchardt
	401		1:00-1:50	MTu ThF	203	Terre
	E402		8:20-10:10	Tu Th	203	Terre
251c-4		Elementary Accounting III				
		E001	6:20-8:10	M W	EJH 201	Terre
	201		8:00-8:50	MTu ThF	ANA 100	Dwyer
	202		11:00-11:50	MTuWTh	ANA 100	Milles
	203		2:00-2:50	MTu ThF	ANA 100	Schuchardt
	E204		6:20-8:10	M W	ANA 100	Dwyer
	E205		8:20-10:10	Tu Th	ANA 100	staff
	401		8:00-8:50	MTu ThF	203	Bedel
	402		11:00-11:50	MTu ThF	225	Bedel
	E403		6:20-8:10	M W	221	Small
351c-4		Advanced Accounting III				
	201		10:00-10:50	MTu ThF	ANB 103	Schuchardt
	E202		8:20-10:10	M W	ANA 100	Milles
	401		9:00-9:50	MTu ThF	203	Davison
	E402		Arranged			Bedel
355-3		Governmental Accounting				
	401		10:00-11:15	Tu Th	203	Davison
356-5		Auditing				
	201		9:00-9:50	MTuWThF	ANB 202	Dwyer
	401		2:00-2:50	MTuWThF	205	Davison
432-4		Problems in Federal Taxation				
	E201		6:20-8:10	M W	ANB 202	Milles
	401		12:00-1:50	Tu Th	225	Small
442-4		Advanced Cost Accounting				
	201		11:00-12:50	M W	S&T 102	Schmitt
	E401		8:20-10:10	M W	221	Small

ANTHROPOLOGY (ANTH)

300-4		Man's Place in Nature				
	201		10:00-10:50	MTuWTh	ANA 100	E. Schusky
304-4		The Origins of Civilization				
	201		1:00-1:50	MTuWTh	AUD 102	Culbert
309-4		People and Cultures of Asia and Oceania				
	201		11:00-11:50	MTuWTh	SS 201	Culbert

SPRING

ANTHROPOLOGY (ANTH) 73

Course No.	Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites)	Instructor
Alton	E. St. Louis	Edwardsville			Place	
310-4		Man and Culture				
	401		3:00-3:50	MTuWTh	224	staff
409-4		Anthropology and Modern Life				
	201		2:00-2:50	MTuWTh	SS 106	E. Schusky
430-4		Archaeology of North America				
	201		9:00-9:50	MTuWTh	SS 106	Culbert
470-4		Social Anthropology				
	401		11:00-11:50	MTuWTh	220	staff

APPLIED SCIENCE (AP S)

101c-3		Graphics				
	201		10:00-11:50	M W F	ANA 108	Bishop
		401	2:00-3:50	M W F	203	Bishop
		E402	6:20-9:10	M W	203	Bishop
260c-3		Analytical Mechanics				
		E001	8:20-9:35	M W	EJH 203	Shaw

ART (ART)

100c-5		Basic Studio				
	201		12:00-1:50	MTuWTh	FAA 102	staff
			12:00-12:50	F	FAA 102	
		E202	6:20-9:50	M W	FAA 102	Marcell
		401	1:00-2:50	MTu ThF	214	Milovich
			1:00-1:50	W	214	Milovich
201a-4		Drawing and Composition				
	E201		6:20-9:50	Tu Th	FAA 202	Huntley
300a-4		Art Education				
	201		8:00-9:50	M W F	FAA 203	staff
		401	4:20-6:50	M W	214	staff
300b-4		Art Education				
	201		1:00-2:50	M W F	FAA 203	Buddemeyer
300c-4		Art Education				
	201		3:00-4:50	M W F	FAA 203	Buddemeyer
		401	10:00-11:50	M W F	214	Milovich
305a-4		Advanced Ceramics				
	201		10:00-11:50	MTuW F	GYM 005	Howerton
305c-4		Advanced Ceramics				
	E201		6:20-9:50	M W	GYM 005	Howerton
310c-4		Oil Painting				
	201		3:00-4:50	MTuWTh	FAA 202	Huntley
324-4		Watercolor				
	201		9:00-10:50	MTuW F	FAA 102	staff
325c-4		Studio				
	201		Arranged			staff
358c-4		Prints				
	201		1:00-2:50	MTuWTh	FAA 103	Richardson
393c-4		Sculpture				
	201		1:00-2:50	MTuW F	SCI 015	Marcell
406a-4		Studio in Art				
	201		Arranged			staff

BOTANY (BOT)

202-5		General Botany				
		Lect	9:00-9:50	M W F	115	Hewitson
		Lab 401	8:00-9:50	Tu Th	116	Hewitson
203-5		Taxonomy of Local Seed Plants				
		Lect	11:00-11:50	M W F	201A	Hewitson
		Lab 401	10:00-11:50	Tu Th	116	Hewitson

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Course No.	Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites)	Instructor
Alton	E. St. Louis	Edwardsville			Place	
311-5		General Bacteriology				
	Lect		6:00-7:15	M W	SCI 003	staff
	Lab E201		7:25-9:15	M W	SCI 205	staff
325-5		Metabolism				
	Lect		10:00-10:50	M W F	SCI 110	Brown
	Lab 201		10:00-11:50	Tu Th	SCI 110	Brown
522-5		Cytogenetics				
	Lect		6:00-7:15	Tu Th	SCI 110	Frost
	Lab E201		7:25-9:15	Tu Th	SCI 110	Frost

BUSINESS EDUCATION (BSED)

201a-3		Typewriting I				
	201		11:00-11:50	MTu ThF	ANA 103	Palmer
	E202		8:20-10:10	M W	ANA 103	Frost
		401	11:00-11:50	MTuWTh	223	Houser
		E402	8:20-10:10	M W	223	staff
201c-3		Typewriting III				
	201		10:00-10:50	MTuW F	ANA 103	staff
	E202		8:20-10:10	Tu Th	ANA 103	staff
		401	9:00-9:50	MTu ThF	223	Motley
		E402	8:20-10:10	M W	223	staff
221c-4		Shorthand III				
	201		9:00-9:50	MTu ThF	ANA 103	Palmer
	E202		6:20-8:10	Tu Th	ANA 103	Frost
		401	10:00-10:50	MTu ThF	223	Motley
		E402	6:20-8:10	M W	223	staff
241-2		Duplicating				
	401		12:00-12:50	Tu Th	223	staff
326-4		Office Theories and Practices				
	201		1:00-1:50	MTu ThF	ANA 103	Palmer
	E202		6:20-8:10	M W	ANA 103	staff
		401	1:00-1:50	MTu ThF	223	Motley
341-4		Office Machines				
	401		2:00-2:50	MTu ThF	223	staff
	E402		6:20-8:10	Tu Th	223	Houser
407-4		Office Management				
	201		11:00-12:50	M W	ANA 111	Martin
503-4		Tests and Measurements in Business Education				
	E201		6:20-8:10	M W	S&T 102	Brady
		E401	8:20-10:10	Tu Th	220	Houser

CHEMISTRY (CHEM)

111b-5		Chemical Principles and Inorganic Chemistry				
	Lect		6:20-7:45	Tu Th	SCI 200	Parrill
	Lab 201		7:45-8:35	Tu	SCI 200	Parrill
			7:45-10:35	Th	SCI 205	Parrill
	Lect		6:20-8:10	Tu Th	112	Stallard
	Lab 401		9:00-11:50	Saturday	125	Stallard
111c-5		Chemical Principles and Inorganic Chemistry				
	Lect		8:00-8:50	M W	SCI 201	Cliff
	Lab 201		8:00-10:50	Tu Th	SCI 205	Firsching
			8:00-8:50	F	SCI 201	Firsching
	Lab 202		12:00-2:50	M W	SCI 205	Cliff
			12:00-12:50	F	SCI 201	Cliff
	Lect		12:00-12:50	M W F	115	Rands
	Lab 401		1:00-3:50	M W	125	Chang
	Lab 402		1:00-3:50	Tu Th	125	Rands

SPRING

CHEMISTRY (CHEM) 75

Course No.—Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites)	Place	Instructor
Alton	E. St. Louis	Edwardsville				
240-4 Organic Chemistry						
Lect		8:00–8:50	M W F	SCI 102		Bardolph
Lab 201		8:00–10:50	Tu	SCI 206		Cliff
336c-4 Analytical Chemistry						
Lect		3:00–3:50	Tu Th	SCI 201		Firsching
Lab 201		1:00–3:50	M F	SCI 206		Firsching
	Lect	10:00–10:50	Tu Th	112		Chang
	Lab 401	1:00–3:50	M W	125		Chang
	Lab 402	1:00–3:50	Tu Th	125		Chang
341c-5 Organic Chemistry						
Lect		1:00–1:50	M W F	SCI 103		Bardolph
Lab 201		1:00–3:50	Tu Th	SCI 206		Bardolph
	Lect	10:00–10:50	M W F	112		Probst
	Lab 401	8:00–10:50	Tu Th	123		Probst
	Lab 402	1:00–3:50	M W	123		Stallard
	Lab 403	1:00–3:50	Tu Th	123		Rands
375-0 to 1 Chemistry Seminar						
201		4:00–4:50	M	SCI 201		Cliff
	401	Arranged				Probst
446-4 Qualitative Organic Chemistry						
Lect		5:55–6:45	Tu Th	112		Probst
Lab 401		Arranged				Probst
461c-4 Physical Chemistry						
Lect		1:00–1:50	M W F	SCI 201		White
Lab 201		1:00–3:50	Tu	SCI 203		White
	Lect	5:55–7:15	M W	124		Rands
	Lab 401	8:00–10:50	Saturday	123		Chang
	Lab 402	Arranged				Rands

COMPARATIVE LITERATURE (C LT)

300c-4 Survey of Comparative Literature						
201		Arranged				Guenther

ECONOMICS (ECON)

210-5 Principles of Economics						
201		9:00–9:50	MTuWThF	SCI 102		staff
E202		5:55–8:10	M W	SCI 102		staff
	401	10:00–10:50	MTuWThF	205A		Luan
	E402	5:55–8:10	M W	205		staff
310-4 Labor Problems						
201		11:00–11:50	MTu ThF	ANB 201		VanDahm
	E401	8:20–10:10	M W	204		staff
315-4 Money and Banking I						
401		2:00–2:50	MTu ThF	205A		staff
328-4 International Economics I						
201		1:00–2:50	Tu Th	S&T 102		Glynn
416-4 Money and Banking II						
201		9:00–10:50	M W	ANA 111		VanDahm
440-4 Intermediate Micro Theory						
E201		8:20–10:10	M W	SCI 103		Schwier
441-4 Intermediate Macro Theory						
	E401	6:20–8:10	Tu Th	220		staff
470-3 Business Cycles						
401		12:00–1:15	Tu Th	124A		Luan

EDUCATION ADMINISTRATION (EDAD)

355-4 Philosophy of Education						
	E001	5:30–8:10	M	EJH 208		Curry
		4 additional sessions to be arranged				

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Course No.	Hours	Descriptive Title	Time	Days	Place	Instructor
Alton	E. St. Louis	Edwardsville				
355-4		Philosophy of Education				
	E201		6:20-8:10	Tu Th	ANB 201	Curry
	202		1:00-2:50	Tu Th	ANB 201	Curry
		401	10:00-11:50	M W	104	staff
		402	4:20-6:10	Tu Th	204	Lee
456-4		School Supervision				
	E001		5:30-8:10	Th	EJH 108	Wheat
		4 additional sessions to be arranged				
500-4		Research Methods				
	E001		5:30-8:10	M	EJH 108	Rockwell
	E002		5:30-8:10	Th	EJH 205	staff
501-4		Seminar in Educational Administration				
	E001		5:30-8:10	M	EJH 207	staff
520-4		Illinois School Law				
	E001		5:30-8:10	W	EJH 208	Smith
534-4		School Finance				
	E401		5:30-8:10	M	225	Wilkins
554-4		Contrasting Philosophies of Education				
	E001		5:30-8:10	M	EJH 206	Lee
563-4		Workshop in School Public Relations				
	E001		5:30-8:10	W	EJH 207	staff

EDUCATION ELEMENTARY (EDEL)

314-4		Elementary School Methods				
	401		4:20-6:10	Tu Th	105	Kelley
316-4		Kindergarten-Primary Methods and Curriculum				
	E001		6:20-8:10	M W	EJH 202	Kelley
337-4		Reading in the Elementary Schools				
	E001		8:20-10:10	M W	EJH 202	Steinkellner
	201		4:20-6:10	Tu Th	SS 201	Bear
350d-8 to 12		Kindergarten-Primary Student Teaching				
	201		Arranged			Bolton
	401		Arranged			Bolton
350e-4 to 8		Advanced Kindergarten-Primary Student Teaching				
	201		Arranged			Bolton
	401		Arranged			Bolton
351d-8 to 16		Elementary Student Teaching				
	201		Arranged			Bolton
	401		Arranged			Bolton
351e-4 to 8		Advanced Elementary Student Teaching				
	201		Arranged			Bolton
	401		Arranged			Bolton
415-2 to 4		Improvement of Instruction of Arithmetic in the Elementary School				
	E001		5:30-8:10	Th	EJH 103	Steinbrook
		4 additional sessions to be arranged				
442-4		Materials and Methods in Elementary School Science				
	E201		5:30-8:10	Tu	SCI 003	Bliss
		4 additional sessions to be arranged				
521-3 to 4		Diagnosis and Correction of Reading Disabilities				
	E001		5:30-8:10	W	EJH 206	Bear
542-4		Language Arts in the Elementary School				
	E401		5:30-8:10	Th	106	Steinkellner
543-4		Teaching the Social Studies in the Elementary School				
	E401		5:30-8:10	Th	115	Carpenter

EDUCATION SECONDARY (ED S)

315-4		High School Methods				
	201		4:20-6:10	Tu Th	SCI 102	Smyers
	401		2:00-3:50	M W	103	Bliss

Course No.—Hours

Descriptive Title

Alton

E. St. Louis

Edwardsville

Time

Days

(See page 14 for Prerequisites)

Place

Instructor

352d-8 to 12	Secondary Student Teaching						
201	401	Arranged Agriculture				Herbert Smith	
202	402	Arranged Art				Herbert Smith	
203	403	Arranged Biology				Herbert Smith	
204	404	Arranged Business				Herbert Smith	
205	405	Arranged Chemistry				Herbert Smith	
206	406	Arranged Economics				Herbert Smith	
207	407	Arranged English				Herbert Smith	
208	408	Arranged Foreign Language				Herbert Smith	
209	409	Arranged General Science				Herbert Smith	
210	410	Arranged Geography				Herbert Smith	
211	411	Arranged Government				Herbert Smith	
212	412	Arranged Health Education				Herbert Smith	
213	413	Arranged History				Herbert Smith	
214	414	Arranged Home Economics				Herbert Smith	
215	415	Arranged Industrial Education				Herbert Smith	
216	416	Arranged Journalism				Herbert Smith	
217	417	Arranged Mathematics				Herbert Smith	
218	418	Arranged Music				Herbert Smith	
219	419	Arranged Physical Education				Herbert Smith	
220	420	Arranged Physics				Herbert Smith	
221	421	Arranged Sociology				Herbert Smith	
222	422	Arranged Social Studies				Herbert Smith	
223	423	Arranged Speech				Herbert Smith	
224	424	Arranged Library Service				Herbert Smith	
225	425	Arranged Psychology				Herbert Smith	
226	426	Arranged School Nursing				Herbert Smith	
352e-4 to 8	Secondary Student Teaching						
(See above listing under 352d)							
201–226	401–426	Arranged				Herbert Smith	
521-3 to 4	Diagnosis and Correction of Reading Disabilities						
	E001	5:30–8:10	W		EJH 206		Bear
550-4	Core Curriculum in the Secondary School						
	E401	5:30–8:10	W		205A		staff
562-4	Workshop in High School Curriculum						
	E001	5:30–8:10	M		EJH 204		Smyers
591-4	Workshop in Current Problems in Secondary Education						
	E001	5:30–8:10	Th		EJH 104		staff

EDUCATION SPECIAL (SP E)

351d-8	Elementary Student Teaching						
201		Arranged				Bolton	
	401	Arranged				Bolton	
414-4	The Exceptional Child						
	E001	5:30–8:10	M		EJH 207		Johnson
		4 additional sessions to be arranged					
420-4	Methods and Materials for Teaching Exceptional Children						
	E001	5:30–8:10	Th		EJH 206		Tucker
		4 additional sessions to be arranged					
428-4	Speech Correction for the Classroom Teacher (Same as Sp C 428)						
	E201	5:30–8:10	Th		ANB 102		White
		4 additional sessions to be arranged					
577-4 to 12	Practicum in Special Education						
201		Arranged				Bolton	
	401	Arranged				Bolton	

ENGLISH (ENG)

300-4	Principles of English Grammar						
	E201	8:20–10:10	M	W	AUD 101		Van Syoc

78 ENGLISH (ENG)

Course No.	Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites) Place	Instructor
Alton	E. St. Louis	Edwardsville				
300-4		Principles of English Grammar				
	E401		8:20-10:10	Tu Th	221	Wood
302c-4		Survey of English Literature				
	201		10:00-10:50	MTu ThF	S&T 101	Slattery
	E202		6:20-8:10	M W	SCI 002	Ades
	401		11:00-11:50	MTu ThF	201B	Graham
309b-4		Survey of American Literature				
	E201		8:20-10:10	Tu Th	AUD 103	Joost
	401		12:00-12:50	MTu ThF	208B	staff
	E402		8:20-10:10	M W	201B	Austin
320-4		Early 19th Century Poetry				
	201		1:00-2:50	M W	SS 201	Ades
365-4		Shakespeare				
	E401		6:20-8:10	Tu Th	104	Myron Taylor
391-3		Usage in Spoken and Written English				
	401		4:30-5:20	MTu Th	222	Doepke
	E402		6:20-7:35	Tu Th	201B	Revard
400-4		Introduction to English Linguistics				
	E401		6:20-8:10	Tu Th	210	Wood
404a-4		Middle English Literature				
	E201		6:20-8:10	Tu Th	HUM 206	Mogan
412a-4		English Nondramatic Literature				
	201		11:00-12:50	M W	AUD 101	Marion Taylor
421c-4		Victorian Poetry				
	401		11:00-12:50	Tu Th	221	Myron Taylor
454a-4		English Fiction (18th Century Novel)				
	201		11:00-12:50	Tu Th	AUD 101	Slattery
454b-4		English Fiction (Victorian Novel)				
	201		4:20-6:10	Tu Th	AUD 101	Duncan
468-4		American Drama				
	201		1:00-2:50	Tu Th	ANB 103	Zanger
492-4		Professional Writing II				
	401		4:20-6:10	M W	112	staff
515e-4		Studies in American Literature				
	201		1:00-2:50	M W	S&T 102	Joost

FOREIGN LANGUAGES

French (Fr)

123c-1		French Conversation				
	201		9:00-9:50		F AUD 101	staff
	202		11:00-11:50		F SCI 003	staff
	203		2:00-2:50		F S&T 101	staff
	E204		7:45-8:10	Tu Th	SS 201	staff
	E401		7:45-8:10	M W	220	staff
201c-3		Intermediate French				
	201		10:00-10:50	M W F	HUM 107	staff
220-2		Intermediate French Conversation				
	201		10:00-10:50	Tu Th	HUM 107	staff
301c-4		French Literature from the 18th Century to the Contemporary Period				
	201		1:00-1:50	MTu ThF	S&T 101	staff
311c-3		French Culture and Civilization				
	201		11:00-11:50	M W F	SS 106	Pellegrino

German (Ger)

126c-1		German Conversation				
	201		9:00-9:50		F ANA 100	staff
	202		11:00-11:50		F SCI 102	staff

Course No.	Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites)	Place	Instructor
		Alton E. St. Louis Edwardsville					
203			2:00-2:50		F	SCI 103	staff
E204			7:45-8:10	Tu Th		HUM 107	staff
	401		9:00-9:50		F	208B	staff
	402		11:00-11:50		F	208B	staff
	403		2:00-2:50		F	208B	staff
	E404		7:45-8:10	Tu Th		208B	staff
201c-3	Intermediate	German					
	201		9:00-9:50	M W F		HUM 107	staff
	401		10:00-10:50	M W F		208B	staff
220-2	Intermediate	German Conversation					
	201		9:00-9:50	Tu Th		HUM 107	staff
	401		10:00-10:50	Tu Th		208B	staff
311c-3	German Culture and Civilization						
	201		1:00-2:15	M W		HUM 206	Guenther
316c-4	German Literature from Romanticism to Modern Times						
	201		11:00-12:50	M W		HUM 206	staff

Russian (Russ)

136c-1	Russian Conversation						
	201		1:00-1:50		F	HUM 107	staff
	401		9:00-9:50		F	208A	staff
	E402		7:45-8:10	M W		208A	staff
201c-3	Intermediate Russian						
	201		11:00-11:50	Tu ThF		HUM 107	M Smith

Spanish (Span)

140c-1	Spanish Conversation						
	201		11:00-11:50		F	ANB 102	staff
	202		3:00-3:50		F	AUD 103	staff
	401		1:00-1:50		F	208B	staff
	E402		7:45-8:10	Tu Th		221	staff
201c-3	Intermediate Spanish						
	201		10:00-10:50	M W F		AUD 101	staff
	401		10:00-10:50	M W F		221	staff
220-2	Intermediate Spanish Conversation						
	201		10:00-10:50	Tu Th		AUD 101	staff
	401		10:00-10:50	Tu Th		221	staff
301a-4	Spanish Literature from the Medieval Period through Romanticism						
	201		1:00-2:50	M W		HUM 107	Goode
306-4	Latin American Literature						
	401		2:00-3:50	Tu Th		208A	staff

GEOGRAPHY (GEOG)

304-4	Introduction to Economic Geography						
	401		3:00-3:50	MTuWTh		105	Snaden
310a-3	Introduction to Cartographic Methods						
	201		2:00-3:50	M W		ANA 110	Baker
343-4	Teaching of Geography						
	201		12:00-12:50	MTuW F		ANA 110	Kazeck
405b-3	Advanced Economic Geography II						
	401		9:00-9:50	M W F		105	Lossau
410a-4	Advanced Geographic Techniques						
	401		8:00-11:30	Saturday		Edwardsville	Snaden
417-3	Air Photo Interpretation						
	401		11:00-12:50	Tu Th		397-001	Guffy
424-4	Regional Problems in Conservation						
	E201		6:20-8:10	M W		ANA 110	staff
	401		2:00-2:50	MTuWTh		397-001	Collier

80 GEOGRAPHY (GEOG)

Course No.	Hours	Descriptive Title	Time	Days	Place	Instructor
		Alton E. St. Louis Edwardsville				
461b-3		Advanced Regional Geography: Anglo-America				
201			10:00-10:50	M W F	ANA 110	staff
	E401		6:20-7:35	Tu Th	105	Schwartz
463a-4		Advanced Regional Geography: Mediterranean Lands				
401			12:00-1:50	M W	105	Guffy
464b-3		Advanced Regional Geography: Soviet World				
	E001		6:20-7:35	M W		Snaden
466a-4		Advanced Regional Geography: Asia				
201			10:00-11:50	Tu Th	ANA 110	Mookerjee
470c-4		Field Problems in Urban and Regional Planning (Same as Govt 470c and Soc 470c)				
201		Arranged				Mann
530-2 to 6		Independent Studies in Geography				
201		Arranged				staff
	401	Arranged				Mookerjee

GOVERNMENT (GOVT)

210-4		American Government				
201			10:00-10:50	MTuWTh	AUD 100	Glaser
	E401		6:20-8:10	M W	208B	Stettin
360-4		Introduction to Public Administration				
401			9:00-9:50	MTuWTh	104	Schwab
373-3		International Politics of Europe				
201			2:00-3:15	M W	ANB 202	Glaser
390b-4		Comparative European Governments				
	E401		6:20-8:10	Tu Th	201A	Stahnke
420-3		Pressure Groups and Politics				
401			10:00-10:50	MTu Th	201A	Goodman
470c-4		Field Problems in Urban and Regional Planning (Same as Geog 470c and Soc 470c)				
201		Arranged				Mann
470d-2		Seminar Planning in a Free Society				
201		Arranged				Mann and Lossau
473-3		Metropolitan Studies and Research				
	E201		5:30-8:10	Tu	SS 106	Mann
484c-4		History of Western Political Theory				
201			10:00-10:50	MTuWTh	S&T 102	Mace
495c-4		American Constitutional Law				
201			11:00-11:50	MTuWTh	AUD 102	Kerr
505-3		Seminar in Political Parties				
	E001		5:30-8:10	Th	EJH 101	Goodman

GUIDANCE (GUID)

305-4		Educational Psychology				
	E001		8:20-10:10	M W	EJH 201	Brinkmann
201			9:00-9:50	MTu ThF	S&T 102	Parker
202			1:00-2:50	Tu Th	SS 201	staff
	401		9:00-11:40	Saturday	103	Moore
			4 additional sessions to be arranged			
	402		4:20-6:10	Tu Th	104	Southwood
412-4		Mental Hygiene				
	E001		5:30-8:10	W	EJH 203	Moore
			4 additional sessions to be arranged			
420-4		Educational Statistics				
	E401		5:30-8:10	Tu	106	Brinkmann
			4 additional sessions to be arranged			
422-4		Educational Measurements I				
	E001		5:30-8:10	Th	EJH 208	Taliana
			4 additional sessions to be arranged			
201			9:00-10:50	Tu Th	SCI 002	staff

Course No.	Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites)	Instructor
Alton	E. St. Louis	Edwardsville			Place	
202			9:00-11:40	Saturday	SCI 002	staff
			4 additional sessions to be arranged			
	401		4:20-6:10	M W	104	Loper
	E402		5:30-8:10	W	225	Kunkel
			4 additional sessions to be arranged			
426-4	Individual Inventory					
201			9:00-12:00	Saturday	ANA 104	Meredith
			4 additional sessions to be arranged			
515-4	Psychological Aspects of Education					
	E401		5:30-8:10	M	106	staff
520-4	Advanced Educational Statistics					
	E001		5:30-8:10	Th	EJH 201	Brinkmann
522-4	Educational Measurements II					
	E201		5:30-8:10	W	ANB 103	Johnson
525-4	School Behavior Problems and Their Prevention					
201			9:00-12:00	Saturday	ANA 104	Meredith
528-4	Advanced Guidance of the Individual					
	E201		5:30-8:10	F	ANA 101	staff
535-4	Introduction to Individual Measurement					
	E001		5:30-8:10	Th	EJH 202	staff
537-4	Counseling Theory and Practice I					
	E001		5:30-8:10	Th	EJH 203	Soper
538-4	Counseling Theory and Practice II					
	E001		5:30-8:10	M	EJH 205	Sonstegard
	E002		5:30-8:10	W	EJH 205	Soper
541-4	Occupational Information and Guidance					
	E001		5:30-8:10	M	EJH 203	Eversull
542-4	Basic Principles of Guidance					
	E001		5:30-8:10	Th	EJH 204	Eversull
543-4	Guidance through Groups					
	E001		5:30-8:10	W	EJH 108	Sonstegard
545f-4	Seminar in Guidance: Pupil Adjustment					
201			9:00-12:00	Saturday	ANA 101	Sonstegard
562b-4	Adolescent Development in Education					
	E201		5:30-8:10	W	HUM 206	Kuenzli

HEALTH EDUCATION (H ED)

300-3	Communicable Disease					
201			1:00-1:50	M W F	ANB 202	Spears

HISTORY (HIST)

100-3	Survey of Western Civilization					
201			9:00-9:50	M W F	AUD 103	Keleher
	401		2:00-2:50	M W F	112	Keleher
201a-4	History of the United States					
201			1:00-1:50	MTuWTh	AUD 103	Weiss
	401		11:00-11:50	MTuWTh	205	Rosenthal
201b-4	History of the United States					
201			10:00-10:50	MTuWTh	AUD 103	Riddleberger
	E202		6:20-8:10	Tu Th	AUD 103	Riddleberger
	401		12:00-12:50	MTuWTh	205	Rosenthal
	E402		8:20-10:10	M W	205	McCurry
330-4	The Revolution and the Constitution					
	401		9:00-9:50	M W F	112	McCurry
372a-4	History of Russia					
201			10:00-10:50	MTu ThF	SS 201	Keleher
405-3	Civil War and Reconstruction					
201			11:00-11:50	MTu Th	AUD 103	Riddleberger

82 HISTORY (HIST)

Course No.	Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites)	Instructor
Alton	E. St. Louis	Edwardsville			Place	
411c-3		Intellectual History of the United States				
	201		2:00-2:50	M WTh	AUD 103	Weiss
432b-4		Advanced English History				
	401		10:00-10:50	M WThF	205	Haas
435c-3		Post Civil War America				
	E401		6:20-7:35	Tu Th	205	Rosenthal
450-4		Europe Since 1914				
	E201		6:20-8:10	M W	SS 106	Gallaher
500-4		History Seminar				
	E001		6:20-8:10	M W	EJH 104	Haas
	E002	Arranged				Weiss

HUMANITIES (HUM)

303-3		Humanities Honors				
	201		Arranged			Marion Taylor

INSTRUCTIONAL MATERIALS (IM)

403-4		School Library Functions and Management				
	E201		5:30-8:10	W	HUM 107	staff
					4 additional sessions to be arranged	
417-4		Audio-Visual Methods in Education				
	201		4:20-6:10	M W	SCI 002	Madison
	E202		5:30-8:10	Tu	SCI 002	Madison
					4 additional sessions to be arranged	
	401		2:00-3:50	Tu Th	104	Hileman
	402		9:00-11:40	Saturday	104	Wagner
420-4		School Library Activities and Practice				
	E001		5:30-8:10	Th	EJH 209	staff
					4 additional sessions to be arranged	
445-4		Preparation of Teacher Made Audio-Visual Materials				
	E201		5:30-8:10	Th	SCI 002	Madison
					4 additional sessions to be arranged	

JOURNALISM (JRNL)

201b-3		Newswriting and Editing II				
	401		3:00-3:50	M	223	Lee
			2:00-3:50	W	223	Lee
201c-3		Newswriting and Editing III				
	201		2:00-2:50	Tu	ANA 103	Lee
			2:00-3:50	Th	ANA 103	Lee
340-3		The Law of Journalism				
	201		11:00-12:15	Tu Th	SU 212	Lee

MANAGEMENT (MGT)

170-4		Introduction to Business Administration				
	E001		6:20-8:10	M W	EJH 209	Ruddy
	201		10:00-10:50	MTu ThF	ANA 104	McKinney
	202		2:00-2:50	MTu ThF	ANA 104	Scott
	E203		6:20-8:10	M W	ANA 104	Skjerseth
	E204		6:20-8:10	Tu Th	ANA 104	McKinney
	401		11:00-11:50	MTuWTh	115	Ingwersen
	402		2:00-2:50	MTu ThF	212	staff
	E403		6:20-8:10	Tu Th	212	staff
240-4		Introduction to Data Processing				
	E401		6:20-8:10	M W	210	staff
271-4		Business Writing				
	E201		8:20-10:10	M W	ANB 102	staff
	401		10:00-10:50	MTuWTh	124A	Houser

SPRING**MANAGEMENT (MGT) 83**

Course No.	Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites) Place	Instructor
Alton	E. St. Louis	Edwardsville				
320-5	Corporation Finance					
E201			5:55-8:10	M W	ANA 101	staff
	401		9:00-9:50	MTuWThF	205A	Thomas
323-4	Investments					
E401			8:20-10:10	Tu Th	205A	Thomas
327-4	General Insurance					
E201			8:20-10:10	Tu Th	ANA 101	staff
328-3	Real Estate					
201			9:00-10:15	Tu Th	ANB 102	Cutright
E401			5:30-8:10	W	222	Thomas
340-4	Business Organization and Management					
201			1:00-1:50	MTu ThF	ANA 101	Scott
E401			8:20-10:10	Tu Th	103	Meador
361-3	Business Report Writing					
E201			5:30-8:10	W	ANB 201	Palmer
E401			5:30-8:10	Tu	225	Martin
373-4	Business Law III					
201			8:00-8:50	MTuWTh	ANA 101	Heath
E202			6:20-8:10	Tu Th	ANA 101	Heath
	401		8:00-8:50	MTuWTh	208B	Ruddy
E402			8:20-10:10	M W	103	Ruddy
380-4	Production Management					
201			12:00-12:50	MTu ThF	ANA 101	Skjerseth
E401			6:20-8:10	Tu Th	203	Ingwersen
382-3	Time and Motion Study					
E401			5:30-8:10	M	222	staff
385-4	Personnel Management					
E201			8:20-10:10	M W	ANA 101	Blackledge
	401		1:00-1:50	MTu ThF	221	Meador
421-4	Management of Business Finance					
201			11:00-12:50	M W	ANB 202	Blackledge
442-4	Management of Data Processing Systems					
201			6:20-8:10	Tu	S&T 102	Tarpey
			10:00-11:50	Saturday	Edwardsville	Tarpey
472-4	Small Business					
E201			8:20-10:10	M W	ANB 201	Skjerseth
475-4	Budgeting and Systems					
201			3:00-3:50	MTu ThF	ANA 100	Cutright
479-4	Problems in Business and Economics					
E201			8:20-10:10	Tu Th	ANA 104	Scott
480-4	Seminar in Labor Law					
201			9:00-10:50	M W	HUM 206	Heath
481-4	Administrative Management					
401			12:00-1:50	Tu Th	204	staff
485-4	Problems in Personnel Management					
E201			6:20-8:10	Tu Th	ANB 202	Blackledge
	401		10:00-11:50	Tu Th	103	Meador
595-4	Seminar in Personnel Management					
E201			8:20-10:10	Tu Th	ANB 102	Blackledge

MARKETING (MKTG)

230-5	Principles of Marketing					
201			11:00-11:50	MTuWThF	ANA 104	Vincent
	401		9:00-9:50	MTuWThF	205	staff
333-4	Principles of Advertising					
E201			8:20-10:10	M W	ANA 104	Pinkstaff
	401		10:00-10:50	MTuWTh	106	Eckles
334-4	Credits and Collections					
E201			6:20-8:10	M W	ANB 102	Pinkstaff

84 MARKETING (MKTG)

Course No.	Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites) Place	Instructor
Alton	E. St. Louis	Edwardsville				
334-4		Credits and Collections				
		401	11:00-11:50	MTuWTh	204	Bucher
335-4		International Marketing				
		201	8:00-8:50	MTu ThF	ANB 102	Bosse
336-3		Purchasing				
		201	1:00-2:15	M W	ANA 111	Pinkstaff
		E401	8:20-9:35	M W	205A	Bucher
337-4		Principles of Salesmanship				
		201	9:00-9:50	MTu ThF	ANA 101	Bosse
		E401	8:20-10:10	Tu Th	205	staff
341-4		Transportation				
		E401	6:20-8:10	Tu Th	103	Eckles
349-3		Wholesaling				
		E201	5:30-8:10	Tu	ANB 102	Bosse
438-4		Sales Management				
		401	12:00-1:50	Tu Th	115	Eckles
444-4		Marketing Management				
		201	10:00-10:50	MTuWTh	ANB 202	Vincent
490-4		Marketing Research and Analysis				
		E401	6:20-8:10	M W	201A	Bucher

MATHEMATICS (MATH)

100-0		Elementary Mathematics				
		201	12:00-1:50	MTuWThF	SCI 102	Goering
		401	2:00-2:50	MTu ThF	105	staff
111b-5		Elementary Analysis				
		201	9:00-9:50	MTuWThF	SCI 003	staff
150a-4		Elementary Calculus and Analytic Geometry				
		201	10:00-10:50	MTuWThF	SCI 201	Holden
		202	2:00-2:50	MTuWThF	SCI 200	Gwillim
		401	10:00-10:50	MTuWThF	204	Fanning
		402	11:00-11:50	MTuWTh	208A	Fanning
150b-4		Elementary Calculus and Analytic Geometry				
		201	12:00-12:50	MTuWThF	SCI 002	staff
		401	9:00-9:50	MTuWThF	204	staff
225-4		Programming for Digital Computers				
		E001	8:20-10:10	M W	EJH 204	staff
252a-4		Calculus and Analytic Geometry				
		201	11:00-11:50	MTu ThF	SCI 002	Pendergrass
		202	2:00-2:50	MTu ThF	SCI 002	Pendergrass
		E203	5:55-8:10	Tu Th	SCI 201	English
		401	9:00-9:50	MTu ThF	225	Lindstrum
		402	10:00-10:50	MTu ThF	225	Lindstrum
		E403	6:20-8:10	M W	204	staff
252b-4		Calculus and Analytic Geometry				
		201	9:00-9:50	MTu ThF	SCI 201	Goering
		202	1:00-1:50	MTu ThF	SCI 200	Forcade
		401	1:00-1:50	MTuWTh	205A	Rutledge
		402	2:00-2:50	MTuWTh	124A	Rutledge
300-4		The Real Number System				
		201	2:00-2:50	MTu ThF	SCI 201	Holden
		401	4:20-6:10	M W	204	staff
305b-3		Applied Mathematics for the Physical Sciences				
		E201	6:20-7:35	M W	SCI 201	Goering
		401	3:00-3:50	Tu ThF	225	Rogier
310-4		The Teaching of Elementary Mathematics				
		201	3:00-3:50	MTuWTh	SCI 002	Gwillim
		401	12:00-12:50	MTu ThF	104	Fanning

Course No.-Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites)	Instructor
Alton	E. St. Louis	Edwardsville		Place	
311-3	The Teaching of Secondary Mathematics				
401		2:00-2:50	M W F	204	Oursler
320b-3	Fundamental Concepts of Algebra				
201		9:00-10:15	M W	SCI 103	Clemans
E401		6:20-7:35	Tu Th	204	Bennewitz
400-3	History of Mathematics				
401		1:00-1:50	M W F	201A	Lindstrum
452c-3	Advanced Calculus				
E001		6:20-7:35	M W		Sturley
201		11:00-11:50	M W F	SCI 103	staff
484-3	Design of Experiments				
E001		8:20-9:35	M W	EJH 205	Pendergrass
501c-3	Real Variables				
E001		8:20-9:35	M W	EJH 206	Lindstrum
520b-4	Modern Algebra				
E001		6:20-8:10	M W		Oursler
550-3	Seminar				
E001		6:20-7:35	M W		Rutledge

MUSIC (MUS)

001a-1	Symphonic Band				
201		1:00-1:50	MTuWThF	FAB 101	Fjerstad
401		1:00-1:50	Tu Th	130 Aud	Mellott
001b-0	Stage Band				
201		3:00-3:50	Th	FAB 101	Fjerstad
001c-0	Instrumental Laboratory				
201		10:00-10:50	Th	FAB 101	Kendall
002a-1	Collegiate Singers				
201		11:00-11:50	M W F	FAB 101	Van Camp
002b-1	University Chorus				
401		2:00-2:50	Tu Th	130 Aud	Van Camp
002e-1	Community Choral Society				
E001		7:30-9:30	Tu	ESH 104	Van Camp
002f-1	Madrigal Singers				
201		11:00-11:50	Th	FAB 104	Van Camp
003-1	University Symphony Orchestra				
201	Arranged				Kendall
010a-1	Class Applied Music: Strings				
201		3:00-3:50	M W	FAB 101	Kendall
010b-1	Class Applied Music: Woodwinds				
201		8:00-8:50	Tu Th	FAB 101	Mellott
010d-1	Class Applied Music: Percussion				
201		9:00-9:50	M W	FAB 101	Fjerstad
010e-1	Class Applied Music: Piano				
201 (2nd year majors)		9:00-9:50	M W F	FAC 104	Boldt
202 (1st year majors)		10:00-10:50	M W F	FAC 104	Boldt
203 (2nd year non-majors)		9:00-9:50	Tu Th	FAC 104	staff
204 (Adv. non-majors)		10:00-10:50	Tu Th	FAC 104	staff
401		12:00-1:15	Tu Th	210	Boldt
010f-1	Class Applied Music: Voice				
201		10:00-10:50	M W F	FAB 101	Van Camp
401		3:00-4:15	Tu Th	210	Van Camp
105c-4	Theory of Music				
201		9:00-9:50	MTuWThF	FAC 201	Warren
202		10:00-10:50	MTuWThF	FAC 203	Warren
140 a thru r-2 or 4	Private Applied Music				
201	Arranged				staff

86 MUSIC (MUS)

Course No.	Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites)	Instructor
Alton	E. St. Louis	Edwardsville			Place	
a.	Violin	g.	Clarinet	m.	Trumpet	
b.	Viola	h.	Bassoon	n.	Trombone	
c.	Cello	i.	Saxophone	o.	Tuba	
d.	String Bass	j.	Percussion	p.	Baritone	
e.	Flute	k.	Piano	q.	Voice	
f.	Oboe	l.	French Horn	r.	Organ	
205c-3	Theory of Music					
201			8:00-8:50	MTuWTh	FAC 203	Kresteff
240 a thru r-2 or 4	Private Applied Music (See Mus 140 above)					
201			Arranged			staff
300-3	Music Education—Elementary					
401			10:00-10:50	M W F	212	Tulloss
301c-3	Music Education					
201			10:00-10:50	M WTh	FAC 201	Blakely
307-4	Recreational Music					
201			12:00-1:50	Tu Th	FAC 203	Tulloss
326a-3	Analysis I					
201			2:00-3:15	Tu Th	FAC 203	Warren
340a thru r-2 or 4	Private Applied Music (See Mus 140 above)					
201			Arranged			staff
355a-1	Chamber Music Ensembles: Brass					
201			3:00-3:50	Tu	FAB 101	Fjerstad
355b-1	Chamber Music Ensembles: Woodwind					
201			12:00-12:50	M W	FAB 101	Mellott
355c-1	Chamber Music Ensembles: String					
201			4:00-4:50	M W	FAC 104	Kendall
440 a thru r-2 or 4	Private Applied Music (See Mus 140 above)					
201			Arranged			staff
442b-3	Contrapuntal Forms					
E201			5:30-8:10	Tu	FAC 201	Warren
465-3	Development and Teaching of Strings					
E201			5:30-8:10	M	FAB 101	Kendall
540a thru r-2 or 4	Private Applied Music (See Mus 140 above)					
201			Arranged			staff
560-3	Seminar in Music Education					
E201			5:30-8:10	W	FAC 201	Blakely, Tulloss

NURSING (NURS)

101c-1	Orientation to Nursing III					
401			9:00-9:50	M	220	Shay
303-3	Experience with Children					
401			9:00-11:30	MTuWTh	Agencies	staff
			8:00-9:50	F	220	staff
363a-9	Medical-Surgical Nursing I					
401			7:00-12:30	M W F	Hospital	Jimison, Parker, Zich
			1:00-2:50	M W	220	
375-8	Public Health Nursing					
401			8:30-4:00	M W	Agency	Burton
			9:00-11:00	Tu	Agency	Burton
384-2	Senior Seminar					
401			3:00-4:50	Tu	220	Shay

PHILOSOPHY (PHIL)

200-4	Types of Philosophy					
E201			6:20-8:10	Tu Th	AUD 101	staff
381c-4	History of Western Philosophy					
401			10:00-11:50	Tu Th	104	Linden

Course No.	Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites)	Instructor
		Alton E. St. Louis Edwardsville			Place	
386-4		American Philosophy				
	E401		8:20-10:10	M W	112	staff
484c-4		History of Western Political Theory				
	401		2:00-3:50	M W	201A	Runkle
490-4		Special Problems				
	201		1:00-2:50	M W	ANA 108	Morrison

PHYSICAL EDUCATION (P E)

303-5		Kinesiology				
	201		9:00-9:50	MTuWThF	ANB 103	Archangel
350-4		Methods and Materials for Teaching Physical Education Activities in the Elementary School				
	E201		6:20-8:10	M W	GYM 102	Moehn
	202		8:00-8:50	MTuWTh	GYM 102	Moehn
354-4		Organization and Administration of Physical Education and Athletics				
	201		10:00-10:50	MTuWTh	ANA 101	Klein

PHYSICAL EDUCATION—MEN (PEM)

100b-1		Physical Education Skill Courses for Men: Folk Dance				
	201		1:00-1:50	Tu Th	GYM 102	Carpenter
100i-1		Physical Education Skill Courses for Men: Beginning Tennis				
	201		1:00-1:50	W F	GYM 102	Hatheway
100k-1		Physical Education Skill Courses for Men: Baseball				
	201		9:00-9:50	M W	GYM 102	Hatheway
100o-1		Physical Education Skill Courses for Men: Golf				
	201		11:00-11:50	Tu Th	GYM 102	Hatheway

PHYSICAL EDUCATION—WOMEN (PEW)

321-2		Methods of Teaching in Physical Education for Women				
	201		10:00-10:50	MTuWTh	GYM 102	Archangel
323-1		Officiating Techniques				
	201		10:00-10:50	F	GYM 102	Archangel

PHYSICS (PHYS)

211a-5		University Physics				
	Lect		11:00-11:50	M W F	SCI 201	Sokolowski
			11:00-12:50	Th	S&T 101	Sokolowski
	Lab 201		9:00-10:50	Tu	SCI 007	Sokolowski
	Lab 202		11:00-12:50	Tu	SCI 007	Sokolowski
	Lect		11:00-11:50	MTu ThF	124A	Shaw
	Lab 401		Arranged			Shaw
211b-5		University Physics				
	Lect		9:00-9:50	MTu ThF	124A	Shaw
	Lab 401		Arranged			Shaw
211c-5		University Physics				
	Lect		9:00-9:50	M W F	SCI 200	Sokolowski
			9:00-10:50	Tu	SCI 200	Sokolowski
	Lab 201		9:00-10:50	Th	SCI 007	Sokolowski
	Lab 202		11:00-12:50	Th	SCI 007	Sokolowski
	Lab 203		1:00-2:50	Th	SCI 007	Sokolowski
	E401		6:00-9:50	Tu Th	124&124A	staff
301b-4		Mechanics				
	E201		6:20-8:10	M W	SCI 103	staff
	401		2:00-3:50	M W	124A	staff
305b-4		Introduction to Electric Theory				
	201		1:00-2:50	M W	SCI 003	Boedeker
307-2		Electrical Measurements				
	201		Arranged			staff

88 PHYSICS (PHYS)

Course No.	Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites) Place	Instructor
Alton	E. St. Louis	Edwardsville				
309-4		Electric Circuits				
		401	11:00-11:50	M W F	124	Walford
375-1		Seminar				
		201	3:00-3:50	Tu	SCI 003	Boedeker
415c-4		Modern Physics				
		201	12:00-12:50	MTuW F	SCI 003	Boedeker
		E401	6:20-8:10	M W	124A	Walford
418-1 to 4		Modern Physics Laboratory				
		201	Arranged			staff
		401	Arranged			Walford
501c-5		Methods of Theoretical Physics				
		E201	5:55-8:10	Tu Th	S&T 101	McAneny

PHYSIOLOGY (PHSL)

317-5		Advanced College Physiology				
		201	8:00-9:50	M	SCI 002	Ratzlaff
			9:00-9:50	W	SCI 002	Ratzlaff
		202	8:00-9:50	Tu Th	SCI 110	Ratzlaff
460c-4		Mammalian Physiology				
		201	8:00-9:50	M	SCI 002	Ratzlaff
			9:00-9:50	W	SCI 002	Ratzlaff
		202	8:00-9:50	Tu Th	SCI 110	Ratzlaff

PSYCHOLOGY (PSYC)

211-4		Principles and Methods of Psychology				
		401	10:00-11:50	M W	103	staff
301-4		Child Psychology				
		E001	6:20-8:10	M W	EJH 210	staff
		201	11:00-12:50	Tu Th	SCI 201	Kuenzli
		401	4:20-6:10	Tu Th	205	Troyer
303-4		Adolescent Psychology				
		201	4:20-6:10	M W	ANA 104	Steinbrook
305-4		Personality Dynamics				
		401	12:00-1:50	M W	124A	Troyer
307-4		Social Psychology				
		E001	6:20-8:10	M W	EJH 211	staff
314-4		Experimental Psychology				
		201	1:00-2:50	Tu Th	ANB 202	Rockwell
431-4		Psychopathology				
		401	1:00-2:50	Tu Th	220	staff
465-4		Group Dynamics				
		E001	5:30-8:10	W	EJH 108	Sonstegard
			4 additional sessions to be arranged			

RADIO-TELEVISION (R-T)

257-4		Fundamentals of Broadcast Writing				
		201	3:00-3:50	MTu ThF	TV Studio	Lyle
393-3		Radio, Television, and Society				
		201	8:00-9:50	Tu Th	TV Studio	Hawkins

SOCIOLOGY (SOC)

102-4		Social Problems				
		E201	6:20-8:10	Tu Th	AUD 102	Remmling
		401	2:00-3:50	Tu Th	204	Thomas
241-4		Marriage and Parenthood				
		401	10:00-10:50	MTuWTh	224	staff
308-3		Statistics for Social Science				
		201	9:00-9:50	MTu Th	S&T 101	J. Schusky

Course No.	Hours	Descriptive Title	Time	Days	(See page 14 for Prerequisites)	Instructor
Alton	E. St. Louis	Edwardsville			Place	
320-4		Race and Minority Group Relations				
	E001		6:20-8:10	M W	EJH 103	Rudwick
321-4		Socialization of the Individual				
	201		1:00-1:50	MTuWTh	SS 106	Campbell
	E401		6:20-8:10	Tu Th	224	staff
333-4		Community Organization				
	E401		8:20-10:10	M W	224	Seymour
338-4		Industrial Sociology				
	201		8:00-8:50	MTuWTh	SS 201	More
340-4		The Family				
	401		2:00-2:50	MTuWTh	224	staff
351-4		Sociology of Religion				
	201		12:00-12:50	MTuWTh	SS 106	Remmling
371-4		Population and Migration				
	201		9:00-9:50	MTuWTh	SS 201	Campbell
374-4		Sociology of Education				
	E201		6:20-8:10	M W	SS 201	More
380-4		Introduction to Social Work				
	E401		6:20-8:10	M W	224	staff
427-4		Personality and Social Adjustment				
	201		10:00-10:50	MTuWTh	SS 106	More
	401		11:00-11:50	MTuWTh	224	staff
470c-4		Field Problems in Urban and Regional Planning (Same as Geog 470c and Govt 470c).				
	201		Arranged			Mann
481-4		Processes in Social Work				
	E401		8:20-10:10	Tu Th	208B	VanderWiel
482-4		Social Work in Selected Agencies				
	401		1:00-1:50	MTuWTh	224	staff

SPEECH (SPCH)

102-4		Public Speaking				
	201		10:00-10:50	MTu ThF	ANB 201	Robinson
104-4		Training the Speaking Voice				
	401		11:00-11:50	MTu ThF	112	staff
224-4		Communicative Reading				
	201		9:00-9:50	MTu ThF	ANB 201	Smith
230-1		Speech Activities				
	201		1:00-2:50	Tu	ANB 102	Smith
	401		4:00-4:50	MTuWThF	130 Aud	Birdman
330-1		Speech Activities				
	201		1:00-2:50	Tu	ANB 102	Smith
	401		4:00-4:50	MTuWThF	130 Aud	Birdman
407a-4		History of American Public Address				
	201		1:00-2:50	M W	ANB 201	White

SPEECH CORRECTION (SP C)

100-0		Speech Clinic				
	401		Arranged			staff
428-4		Speech Correction for the Classroom Teacher (Same as Sp E 428)				
	E201		5:30-8:10	Th	ANB 102	White

THEATER (THEA)

203-4		Scenic Design				
	401		1:00-2:50	Tu Th	112	staff
402-4		Directing				
	401		3:00-3:50	MTu ThF	130 Aud	Birdman
439-4		Contemporary Theatrical Theory and Practice				
	401		1:00-2:50	Tu Th	106	Pitner

90 ZOOLOGY (ZOO L)

Course No.-Hours Descriptive Title (See page 14 for Prerequisites)
 Alton E. St. Louis Edwardsville Time Days Place Instructor

ZOOLOGY (ZOO L)

103-5 General Vertebrate Zoology						
Lect	2:00-2:50	Tu Th	SCI 102	Axtell		
Lab 201	2:00-3:50	M W F	SCI 111	Axtell		
Lect	10:00-10:50	Tu Th	115	Ratzlaff		
Lab 401	10:00-11:50	M W F	116	Ratzlaff		
303-4 General Ornithology						
Lect	8:00-8:50	M W	S&T 101	Broadbooks		
Lab 201	8:00-9:50	Tu Th	SCI 111	Broadbooks		
306-4 Entomology						
Lect	3:00-3:50	Tu Th	SCI 110	Wooldridge		
Lab 201	2:00-3:50	M W	SCI 110	Wooldridge		
310-5 Animal Ecology						
Lect	12:00-12:50	Tu Th	SCI 110	Broadbooks		
Lab 201	11:00-12:50	M W F	SCI 110	Broadbooks		
382c-1/2 Zoology Seminar for Seniors						
201	4:00-4:50	Tu	SCI 110	Myer		
408-4 Herpetology						
Lect	10:00-10:50	M W	SCI 200	Axtell		
Lab 201	10:00-11:50	Tu Th	SCI 111	Axtell		

Quarter _____ Year _____

Name _____

(Last) (First) (Middle) (Record Number)

(Phone Number)

(Phone Number)

(Phone Number)

(Phone Number)

Quarter _____ Year _____

Name	(Last)	(First)	(Middle)	(Record Number)
------	--------	---------	----------	-----------------

Concentration _____

Secondary Concentration _____

SUBJECT AREA	COURSE NO.	QTR. HR.	BLDG. & ROOM	HOURS					INSTRUCTOR
				M	Tu	W	Th	F		S

[illegible]



Southern Illinois University Foundation

The Southern Illinois University Foundation is a nonprofit corporation chartered by the state and authorized by the Board of Trustees to receive gifts for the benefit of the University, to buy and sell property, and otherwise to serve the University.

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BUS SCHEDULE

DEPART	ARRIVE	DEPART	ARRIVE
EAST ST. LOUIS	ALTON	ALTON	EAST ST. LOUIS
8:00 A.M.	8:50 A.M.	9:00 A.M.	9:50 A.M.
10:00 A.M.	10:50 A.M.	11:00 A.M.	11:50 A.M.
12:00 M.	12:50 P.M.	1:00 P.M.	1:50 P.M.
2:00 P.M.	2:50 P.M.	3:00 P.M.	3:50 P.M.
4:00 P.M.	4:50 P.M.		

Southern Illinois University

Bulletin



Financial Assistance

1964 - 66

Objectives of Southern Illinois University

TO EXALT BEAUTY

IN GOD,
IN NATURE,
AND IN ART;
TEACHING HOW TO LOVE THE BEST
BUT TO KEEP THE HUMAN TOUCH,

TO ADVANCE LEARNING

IN ALL LINES OF TRUTH
WHEREVER THEY MAY LEAD,
SHOWING HOW TO THINK
RATHER THAN WHAT TO THINK,
ASSISTING THE POWERS
OF THE MIND
IN THEIR SELF DEVELOPMENT

TO FORWARD IDEAS AND IDEALS

IN OUR DEMOCRACY,
INSPIRING RESPECT FOR OTHERS-
AS FOR OURSELVES,
EVER PROMOTING FREEDOM
WITH RESPONSIBILITY,

TO BECOME A CENTER OF ORDER AND LIGHT

THAT KNOWLEDGE MAY LEAD
TO UNDERSTANDING
AND UNDERSTANDING
TO WISDOM.

Financial Assistance

Announcements for 1964-1966



SOUTHERN ILLINOIS UNIVERSITY BULLETIN
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The following issues of the *Southern Illinois University Bulletin* may be obtained without charge from General Publications, Southern Illinois University, Carbondale, Illinois 62903.

General Information
General Studies and AF ROTC
Financial Assistance
Summer Session (Carbondale)
Summer Session (Edwardsville)
Schedule of Classes (Carbondale)
Schedule of Classes (Edwardsville)
Divisional Announcements (Edwardsville)
Graduate School
College of Education
College of Liberal Arts and Sciences
School of Agriculture
School of Business
School of Communications
School of Fine Arts
School of Home Economics
School of Technology
Division of Technical and Adult Education
Department of Nursing

All intending students should have the General Information bulletin (issued once a year), plus the special bulletins of the various educational units in which they are most interested.

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This Bulletin

describes in detail the financial assistance which is available to undergraduate students at the Carbondale and Edwardsville campuses. (Financial assistance for graduate students is described in the Graduate School bulletin.) It does not cover all questions concerning Southern Illinois University. For complete information about the University, refer to the General Information bulletin.

This issue supersedes Volume 4, Number 7.

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Financial Assistance

CARBONDALE: *Director of Student Affairs* I. Clark Davis. *Acting Co-ordinator* Samuel J. Taber. *Assistant Co-ordinator* Mary M. Beimfohr.

EDWARDSVILLE: *Director of Student Affairs* Howard V. Davis. *Assistant Director of Student Affairs* Thomas D. Evans.

The basic goal of the financial assistance program at Southern Illinois University is to enable talented young men and women who may lack financial resources to enter and continue experiences in higher education. The program has been organized so that it may function as an integral part of the total educational experience of the student. An attempt is made not only to assist needy and deserving students with their financial obligations through the program but to contribute to their general development and learning experience.

The program of financial assistance includes scholarships, awards, prizes, grants-in-aid, private agency awards, and student loan funds.

The comparative limitations of such forms of assistance, in terms of both number and amounts available, make it inadvisable for an undergraduate student to expect to meet all university expenses from such sources. The family, including parents, friends, and relatives, is the primary resource for a student's college costs. The student himself normally supplies one-third to one-half of his finances through work during a selected quarter of nonattendance or during school, and through his savings. The financial assistance program assists in making up the difference between college costs and the student's resources.

The applications for financial assistance require the applicant to estimate his budget for the coming year in terms of both income and expense. An estimate of certain expenses, including room and board, may be obtained from the Admissions Office or from the General Information issue of the *Southern Illinois University Bulletin*.

TYPES OF ASSISTANCE

SCHOLARSHIPS

Scholastic potential and financial need are the two most important criteria utilized in selecting recipients of scholarships. Freshman applicants must have ranked in the upper third of their graduating class and have achieved a minimum comprehensive high school average equal to that of *B*. Enrolled students at the University must have achieved a minimum over-all average of *B* for all course work completed at the university level.

The degree of need may also be used in determining the amount of assistance granted from a particular scholarship fund.

Other factors being equal, the students with the highest grade averages will be given preference in determining recipients of the scholarships.

AWARDS

Financial assistance is occasionally granted to students who have evidenced superior potential either at the high school or the university level in either scholarly or cocurricular endeavors. Freshman applicants for awards are required to have ranked in the upper half of their graduating class and to have achieved a minimum comprehensive high school average of *C*. Enrolled students must have achieved a minimum over-all average of *C* for all work completed at the university level.

As a part of the award program, the Board of Trustees of the University has established tuition awards known as Southern Illinois University Scholarship and Activity Awards. Normally, this is the only form of scholarship or award assistance for which entering students may be considered other than state-wide programs as enumerated on pages 9-11 of this bulletin.

PRIZES

Prizes may be awarded to students who have evidenced superior achievement in specific areas or departments of the University. These prizes frequently take the form of books, medals, or trophies rather than money and are presented at various times during the year. Eligibility varies considerably from one prize to another. Interested students are invited to contact the specific departments or groups concerned with selecting the recipients for further details.

GRANTS-IN-AID

Frequently, organizations or individuals establish funds at the Uni-

versity to assist certain students with their educational expenses. Usually such students are selected by the donor, although recommendations are sometimes made through the Scholarships and Loans Committee or the various departments of the University. Specific criteria, including grade requirements, used for the selection of recipients of these grants are established by the donor.

PRIVATE AGENCY AWARDS

Industries and private organizations may provide funds to individuals either directly or through the Scholarships and Loans Committee. The requirements relative to each of these awards are specified by the individual donors. Generally, application must be made directly to the donor; the University will assist interested students in applying for such awards.

STUDENT LOAN FUNDS

Carbondale Campus

Through the generosity of friends of the University, several short-term loan funds have been established to be used by needy and deserving students. There are two basic requirements which are applicable to most of these funds: The applicant must be a full-time student who has completed one quarter in attendance at the University, and he must have a minimum comprehensive university average of C. Amounts available vary with the individual loan funds. Generally, freshmen and sophomores may borrow up to \$75; juniors, seniors, and graduate students are permitted to borrow up to \$150. In addition, a private foundation has established a loan fund at the University from which qualified juniors and seniors under 25 years of age may borrow up to \$600. The rate of interest and method of repayment vary with the particular loan fund, but the usual rate of interest on funds administered directly by the University is three per cent per year.

Edwardsville Campus

Several short-term loan funds have been established. The applicant must be a full-time student who has completed 30 hours at Southern and must have a minimum cumulative average of C. Students who meet these requirements may normally borrow from \$25 to \$75 for a period of four months. A service fee of one per cent of the principal is charged for such loans.

Students who have completed their first year of college are eligible to apply through the co-ordinator of financial assistance for loans from local and home-town banks which are members of the United Student Aid Fund, Inc., program. Undergraduates are eligible to borrow \$1,000

per year up to a total of \$4,000. Graduate students are eligible to borrow \$2,000 per year up to a total of \$4,000. A maximum of six per cent interest is charged on the declining balance. The normal schedule for repayment is thirty-six months.

APPLICATION PROCEDURE

IF YOU HAVE NOT ATTENDED A COLLEGE OR UNIVERSITY

1. Apply for admission to the Admissions Office of the campus you plan to attend. Request that your principal forward a transcript of your high school record through your seventh semester. It is advisable that this be done shortly after the beginning of your final semester of high school.

2. Request an application for the financial assistance program from the Student Affairs Office of the campus you plan to attend. Request that your high school principal complete the postal card accompanying this application. Arrange to take the test battery administered by the American College Testing Program (A.C.T.); information relative to testing dates may be obtained from your high school guidance director or principal or from the Registrar's Office of the campus which you plan to attend.

3. Submit your application for financial assistance. Do not apply for a specific scholarship or award. The Scholarships and Loans Committee of the University will evaluate each applicant in terms of his eligibility for all forms of available assistance. Applications to be considered for the fall quarter must be returned to the Student Affairs Office of the appropriate campus between January 1 and May 15.

4. Applicants for assistance to become effective in the fall will be notified of decisions concerning their applications during the summer prior to the opening of the fall quarter.

IF YOU HAVE ATTENDED ANOTHER COLLEGE OR UNIVERSITY

1. Apply for admission to the Admissions Office of the campus you plan to attend. Request that the registrar of each school you have attended send a transcript of your record to that office. Applications for financial assistance cannot be considered prior to completion of these procedures.

2. Request an application for the financial assistance program from the Student Affairs Office of the campus you plan to attend.

3. Submit your application for financial assistance. Do not apply for a specific scholarship or award. The Scholarships and Loans Committee of the University will evaluate each applicant in terms of his eligibility for all forms of available assistance. Applications to be considered for the fall quarter must be returned to the Student Affairs Office of the appropriate campus between January 1 and May 15.

4. Applicants for assistance to become effective in the fall will be notified of decisions concerning their applications during the summer prior to the opening of the fall quarter.

IF YOU ARE CURRENTLY ENROLLED AT SOUTHERN

1. Determine whether or not you meet the minimum requirement for any of the forms of financial assistance currently available. Generally, scholarships require a minimum over-all university average of *B*, and awards require a *C*. Consult the earlier sections of this bulletin for details.

2. Obtain an application for the financial assistance program from the Student Affairs Office of the campus you are attending.

3. Submit your application for financial assistance. Do not apply for a specific scholarship or award. The Scholarships and Loans Committee of the University will evaluate each applicant in terms of his eligibility for all forms of available assistance. Applications to be considered for the fall quarter must be returned to the Student Affairs Office of the appropriate campus between January 1 and May 15.

4. Applicants for assistance to become effective in the fall will be notified of decisions concerning their applications during the summer prior to the opening of the fall quarter.

In addition to the various forms of financial assistance administered through the Scholarships and Loans Committee, there are several other forms of assistance available to students at the University. Their descriptions follow.

FEDERAL ASSISTANCE

NATIONAL DEFENSE STUDENT LOAN PROGRAM

The National Defense Student Loan Program, established under Title II of the National Defense Education Act of 1958, is a long-term program from which eligible and deserving students may be granted substantial loans to supplement other income for educational purposes.

Eligibility and Terms

1. *United States Nationals.* Only undergraduate or graduate students who are United States Nationals (citizens or persons who are in the U.S. in a permanent resident status) are eligible to borrow under terms of this student loan program.

2. *Full-time Student.* To be approved for a loan, an applicant either must have been accepted for enrollment at Southern Illinois University as a full-time student or, if already attending the University, must be a full-time student (registered for a minimum of twelve quarter hours) who is

making normal and satisfactory progress toward a baccalaureate or advanced degree. A student who attends the University part-time, or who attends summer sessions only, is not eligible.

3. *Scholarship.* An incoming freshman applicant must have ranked in the upper third of his graduating class to be considered for loan assistance. A freshman not meeting this requirement may make application during his first quarter of attendance and if academically eligible as noted below will receive payment at the beginning of the following quarter. The university scholastic requirement for a loan is a cumulative average of at least 3.0 and a cumulative average of at least 3.0 for all work at Southern.

4. *Need.* The primary condition of eligibility is the applicant's need of the requested loan to complete his course of study. The financial capabilities of both the applicant and his family (even in the case of a married student) will be evaluated in determining need. The University appreciates the fact that some students may wish to be financially independent, but this in and of itself does not justify need. A single student owning or possessing an automobile is requested not to seek assistance through this fund, unless he commutes or has other special circumstances.

5. *Amount of Loan.* The amount of the loan shall not be more than the borrower actually needs to make up the difference between his resources and his college-related expenses. In view of the estimated expenses at Southern and the opportunity for part-time employment and scholarship and award aid, the normal maximum loan will be limited to \$250 per quarter distributed on a quarterly basis. Whatever the actual need, the Act sets maximum limits of \$1,000 in any one academic year and \$5,000 in the aggregate.

6. *Use of Loan.* A National Defense Student Loan will be used only for university-related expenses: tuition and required fees, books and supplies, room and board, ordinary and necessary personal maintenance. It shall not be used for car payments, marriage expenses, refinancing accumulated debts, moving to a place of employment, buying equipment to start a business, or buying a house.

7. *Special Consideration.* While making loans available to needy students in any field, the Act specifies that "in the selection of students to receive loans . . . special consideration shall be given to: (a) students with a superior academic background who express a desire to teach in elementary and secondary schools, and (b) students whose academic background indicates a superior capacity or preparation in science, mathematics, engineering, and modern foreign language."

8. *Promissory Note.* The borrower shall be required to sign a promissory note payable to Southern Illinois University.

9. *Interest.* No interest is charged while the borrower is in full-time attendance at an institution of higher education or during any period, not exceeding three years, that he is serving in the armed forces of the United States. Simple interest at the rate of three per cent per year on the unpaid balance will begin to accrue one year from the date the borrower ceases to be a full-time student.

10. *Repayment.* Repayment must begin not later than two years after a borrower ceases to be a full-time student at an institution of higher education. A schedule of installment payments commensurate with the borrower's financial status must be arranged at the time of his separation from the University. Repayment in accordance with a ten-year schedule of graduated periodic installments is the maximum permissible under terms of the Act.

11. *Cancellation Provisions.* The loan, and interest thereon, of any borrower who serves as a full-time teacher in a public elementary or secondary school is canceled up to a maximum of fifty per cent, at the rate of ten per cent of the amount of the loan plus interest thereon, which was unpaid on the first day of such service, for each academic year of service. The Act also provides that liability for repayment of the National Defense Student Loan is cancelled upon the death of the borrower, or in the event that he becomes totally and permanently disabled.

12. *Loyalty Oath.* Each approved recipient of a loan must subscribe to an oath of allegiance to the United States of America and this oath must be taken and subscribed to before a notary public or other officer authorized to perform such function under Illinois law. This must be done by the borrower before any funds are made available to him.

13. *Married Students.* Students married less than one year are not eligible for loan consideration. However, they may apply with the understanding that they will receive no portion of the loan until they have been married for a year. Married students applying for loans offer a unique problem of need assessment, because many extra expenses considered minimum for married status are difficult to classify as college-related expenses. Ordinarily, need will be measured on a standard of expectation of family-help and self-help along with the student's own presentation of his problem and estimated need.

14. *Applications.* Application forms may be obtained at the Student Financial Assistance Center in the Student Affairs Office. These applications should be returned to this office after being carefully and completely prepared by the applicant. Blank items will delay action on the application. The applicant will be informed of the Scholarships and Loans Committee's decision within a reasonable period.

FEDERAL ASSISTANCE FOR MILITARY VETERANS

Educational benefits for most veterans of World War II have elapsed. A person having a service-incurred disability may qualify as a recipient of benefits under Public Law 16 or 894, the latter being an amendment to Public Law 16. Public Law 16 is intended for veterans who received their disability between September 16, 1940, and July 25, 1947, while Public Law 894 is intended for veterans who received their disability between June 27, 1950, and an unestablished date in the future. Under Public Laws 16 or 894 the veteran's tuition, fees, special equipment and supplies, and subsistence will be paid for by the United States government through the Veterans Administration.

Persons who have been in active military service between June 27, 1950, and January 31, 1955, who have served at least ninety days, and who have been discharged under conditions other than dishonorable may be eligible for educational benefits under the Veterans Readjustment Assistance Act of 1952 (Public Law 550 or "Korean G.I. Bill"). Application forms and additional information concerning these benefits may be obtained from the Registrar's Office, the Student Affairs Office, the Veterans Administration, or the local Illinois Veterans Commission Office. Veterans are urged to apply for training at least two months prior to enrolling in the University.

Experience has shown that a period of two or three months elapses before a veteran participating in such a program receives his first check. It is advisable, therefore, that each veteran be prepared to finance himself during his first two or three months of attendance at the University.

PUBLIC LAW 634

Benefits under Public Law 634 are available to the child or children of a person who died of an injury or disease incurred or aggravated in the line of duty in active service in the armed forces during World War I, World War II, or the Korean conflict and whose service did not terminate under dishonorable conditions. In addition, if the veteran's child served on active duty with the armed forces he must have been separated under conditions other than dishonorable.

Payments cannot be made while the veteran's child is serving on a tour of duty with the armed forces. In general the same rules apply to this law as to Public Law 550. Application forms may be obtained at the Registrar's Office, the Veterans Administration, or a local Illinois Veterans Commission office.

PUBLIC LAW 815

Public Law 815 makes vocational rehabilitation training available to veterans who incurred disabilities as a result of service in the armed forces during the periods of July 26, 1947, to June 26, 1950, and February 1, 1955, to the present. If the veteran is receiving compensation from the government because of disability incurred during either of these periods, he is eligible to apply for vocational rehabilitation. Under Public Law 815, his tuition, fees, and subsistence will be paid through the Veterans Administration. Further information may be obtained from the Registrar's Office, the Veterans Administration, or a local Illinois Veterans Commission office.

STATE ASSISTANCE**STATE TEACHER EDUCATION SCHOLARSHIPS**

State scholarships are awarded each year through the office of the State Superintendent of Public Instruction to selected students who plan to enter the teaching profession. Graduates of recognized high schools who are in the upper half of their graduating classes are certified by the principals to county superintendents, who transmit these names to the Superintendent of Public Instruction. The Superintendent, in turn, may award scholarships to the highest-ranking graduates who signify their intentions to prepare to teach in the Illinois public schools. The scholarship covers the student's tuition and activity fees. Holders of these scholarships must apply for admission to the University not later than August 15 of the year in which the scholarship is awarded. Such a student must be registered in a teacher training program while using the scholarship. If a scholarship holder does not register for the next regular quarter following receipt of the scholarship, or if, having registered, he withdraws from the University, he forfeits his scholarship, unless he is granted a leave of absence by the University. Any student holding a scholarship who needs a leave of absence for the purpose of earning funds to defray his expenses while in attendance, on account of illness, or because of entrance into military service, may be granted such leave and allowed a period not to exceed six years in which to complete his course at the University. Request for a leave of absence should be addressed to the Registrar. A forfeited scholarship may be issued to the next highest-ranking student as shown on the list submitted to the Superintendent of Public Instruction. Recipients need to bring their scholarships to the Registrar's Office where they are kept on file. Currently, this scholarship covers tuition, student activity fee, and graduation fee.

STATE SCHOLARSHIP ACT

The state scholarship program, which is applicable at Southern, exempts the student from certain fees. Interested students should consult their high school office early in their senior year for information on the program.

In addition to the regular program, there is an upperclass award program for sophomores, juniors, and seniors at Southern. To participate in this program, a student must apply in the spring and must be ineligible to participate in the regular program. Details may be obtained from the Student Financial Assistance Center.

GENERAL ASSEMBLY SCHOLARSHIPS

Each member of the General Assembly (Senator or Representative) may nominate annually two persons of school age and otherwise eligible, from his district, one of which shall receive a certificate of scholarship in the University of Illinois, and the other a certificate of scholarship in any other state-supported university designated by the member. Interested students planning to attend Southern Illinois University should contact their Senator or Representative. This scholarship exempts the student from the paying of tuition, student activity fee, and graduation fee.

COUNTY SCHOLARSHIPS

This program provides for the awarding of two scholarships annually in each county to qualified graduating seniors in high school. The recipients will be selected on the basis of a competitive examination: the test battery administered through the American College Testing Program (A.C.T.). To be eligible, an applicant must be a resident of the county in which he applies. No student who has taken normal school, college, university, or other training following completion of a four-year high school course is eligible. Dates of application and procedures should be requested of the local high school principal or county superintendent of schools. This scholarship entitles the student to tuition, activity fee, and graduation fee for a period of four calendar years.

VOCATIONAL REHABILITATION

Under the State Board for Vocational Education is a division for the vocational rehabilitation and placement in remunerative employment of persons whose capacity to earn a living is or has been impaired. This includes those with physical handicaps of various kinds. Approved students receive all registration and tuition fees, book rental, and school supplies for nine months per year.

Persons who wish to consult with a representative may call at the Carbondale field office, located at 31A Chautauqua Housing Area on campus. Other field offices are maintained in the Murphy Building, Collinsville Ave., East St. Louis, and at 307 Henry, Alton. Students from other parts of the state who are now receiving training through the Illinois Division of Vocational Rehabilitation may consult any representative of the Board.

ILLINOIS MILITARY SCHOLARSHIP

Any person who served in the armed forces of the United States during World War I or World War II (including all service between September 16, 1940, and an undetermined date to be established in the future) may be eligible for the benefits of the Illinois Military Scholarship. To be eligible a person must have been (1) a resident of Illinois at the time of entering the service; or, if not an Illinois resident, a student at Illinois State University, Northern Illinois University, Eastern Illinois University, Western Illinois University, Southern Illinois University, or the University of Illinois at the time of his enlistment or induction; and (2) honorably discharged or separated.

This scholarship is awarded for four calendar years. It may be used for resident or extension study and covers tuition, activity fee, and graduation fee. Application for this scholarship should be directed to the Registrar's Office and must be accompanied by a copy of the discharge or separation papers.

THE GOVERNOR'S COMMITTEE FOR VETERAN'S REHABILITATION AND EMPLOYMENT

This committee will assist any veterans, but gives aid primarily to ex-servicemen and ex-servicewomen with impaired health or with limited physical abilities. Such persons may receive, at state expense, vocational training and education, plus health restoration treatments and prosthetic appliances. After proper training, they are given assistance in obtaining employment.

SCHOLARSHIPS, AWARDS, GRANTS-IN-AID, PRIZES

CARBONDALE CAMPUS

Abbott Foundation Grant-In-Aid
Achievement Prize for Zoology Majors
Alcoa Foundation Scholarship Prize
Alpha Delta Sigma Advertising Scholarship
Alpha Lambda Delta Award

Alpha Phi Omega Scholarship
Alumnae Award, Department of Physical Education for Women
American Association of Teachers of Spanish and Portuguese, Bronze Medal
American Association of University Professors Scholarship
American Baptist Home Mission Societies Grant-In-Aid
American Chemical Society Fellow
American Chemical Society Scholar
American Guild of Musical Artists Award
American Legion Auxiliary Unit 25 of Princeton, Indiana, Grant-In-Aid
American Legion, Department of Illinois Prize
Antioch Baptist Church Award
Asian Studies Scholarship
Baseball Grant-In-Aid
Beverly Hills University Club Scholarship
Borden Freshman Prize
Boys' Tri-Sig Club of New Trier High School
Buddy Tuttle Memorial Scholarship
Cahokia Commonfields High School Student Council Grant
Carbondale Council of Garden Clubs Award
Carmi Elks Lodge No. 1652 Award
Charles L. Foote Memorial Award in Zoology (Southern Illinois University Foundation)
Chemistry Graduate Fellowship Fund (Southern Illinois University Foundation)
Clarence V. Scheel American Legion Post No. 292 Award
Collinsville Education Association Scholarship
Cook Foundation Scholarship
Dan Hopkins Advertising Scholarship
David J. Carver, Jr. Memorial Scholarship
Delta Theta Tau Scholarship in Home Economics
District No. 25 Illinois Federation of Women's Clubs Scholarship
Dr. James W. Barrow Memorial Scholarship
Eastern Star of Illinois Grant-In-Aid
Educational Council of One Hundred, Lawson Awards
Edward Arthur Mellinger Educational Foundation Fund
Egyptian Association Grants-In-Aid
Elementary Education Prize
Elks Grant-In-Aid
Eureka Grand Chapter of Eastern Star Scholarship
Evergreen Park Community High School Scholarship
Floyd Wakeland Expendable Memorial Award in Music (Southern Illinois University Foundation)
Foundation Scholarship Fund (Southern Illinois University Foundation)
Francis Marion Hewitt, Sr., Scholarship in Art Fund (Southern Illinois University Foundation)
Frank A. Burgess Foundation Scholarship
Frank Galbreath Fund
Friends Foundation, Inc., Grant-In-Aid
FS Services, Inc., Award
George M. Pullman Educational Foundation
Gloria Credi Memorial Scholarship (Southern Illinois University Foundation)
Granite City Scholarship Foundation
Helen Schuman Graduate Scholarship
Henry Bunn Memorial Scholarship Fund
Highland Park High School Scholarship
Home Builders Tuition Award Fund (Southern Illinois University Foundation)
Home Economics Scholarship

Illinois Association of Highway Engineers' Scholarship
Illinois Beta Association of Phi Beta Kappa Commencement Prize
Illinois Congress of Parents and Teachers Association
Illinois Congress of Parents and Teachers Special Education Scholarship
Illinois Elks Association Award
Illinois Health Improvement Association Scholarship
Illinois Production Credit Association Award
Illinois Tuberculosis Association Award
Illinois Welfare Association District No. 10 Social Work Scholarship
J. Faye McCall Scholarship Fund (Southern Illinois University Foundation)
James Ford Bell Technological Award
James H. Stoeber Memorial Fund for Retarded Children
Janice Neckers Memorial Scholarship (Sigma Sigma Sigma)
Jewel Tea Company Grant-In-Aid
Joe Dougherty and Don Cross Award
Johnson Foundation Chemistry Scholarship
Journal Star Scholarship Fund
June Vick Memorial Scholarship
Junior Women's Clubs of Illinois Award
Kappa Omicron Phi Award
Kiwanis Club of Champaign-Urbana Grant-In-Aid
Kiwanis Educational Fund
Larry Mann Advertising Scholarship
Leah M. Reef Memorial Scholarship (Southern Illinois University Foundation)
Leo Kaplan Memorial Scholarship Fund (Southern Illinois University Foundation)
Lillian Burns Music Scholarship Fund (Southern Illinois University Foundation)
Limerick Finance Scholarship
Little Rock Nine Scholarship
Little Rock Scholarship Fund
Longnecker Award Fund (Southern Illinois University Foundation)
Mainliner Club of Chicago Grant-In-Aid
Mallarme Expendable Prize Fund in French Studies (Southern Illinois University Foundation)
Marathon Oil Foundation Award
Mary Louise Barnes Alumnae Scholarship in Home Economics
Miller, Natowitz, Paris Memorial Scholarship Fund (Southern Illinois University Foundation)
Miss Granite City Scholarship Fund
Mr. and Mrs. Richard F. Feeney Scholarship Fund (Southern Illinois University Foundation)
Mu Phi Epsilon Music Award Fund (Southern Illinois University Foundation)
Murphysboro B.P.O.E. No. 572 Scholastic Scholarship
Murphysboro Shrine Club Scholarship
Naperville American Legion Post No. 43 Award
National Business Education Association Professional Award in Business Education
National Convention of Gospel Choirs & Choruses, Inc.
National Society of Interior Designers Award
National Science Foundation Fellowship for Graduate Study
Norman Caldwell Prize in History (Southern Illinois University Foundation)
North Chicago High School Community Scholarship
N.S.S.F.N.S. Grant-In-Aid
Phelps-Stokes Fund
Phi Eta Sigma Faculty Adviser's Award
Phi Eta Sigma Scholarship Prize
Philosophy Prize

Physical Education Honor Award

Pi Kappa Sigma Memorial Alumnae Scholarship Fund (Southern Illinois University Foundation)

Pi Omega Pi Award for Outstanding Achievement in Business Education

Presser Foundation Music Scholarship

Princeton High School Scholarship

Psi Iota Xi, Alpha Tau Chapter Grant-In-Aid

Quill and Scroll Foundation Scholarship

Roscoe Pulliam Memorial Alumni Scholarship

Royal King Lodge No. 83 F & AM Grant-In-Aid

Sahara Coal Company Awards in Forestry

Saluki Award Fund

San Bernadino Business and Professional Women's Club Scholarship

Sigma Gamma Rho Sorority Grant-In-Aid

Sigma Pi Memorial Fund

Small Business Institute Scholarship Fund

South Carolina Regional Education Board Scholarship

Southern Illinois District Council Activity Awards

Southern Illinois Editorial Association Award—Community Journalism

Southern Illinois League for Nursing

Southern Illinois Reunion Council Award

Southern Illinois Symphony Orchestra Awards

Southern Illinois University Faculty Mine Memorial Scholarship

Southern Illinois University Scholarship and Activity Awards

St. Louis Medical Society Scholarship

Technical & Adult Education Awards and Prizes

The Nguyen Thi Kim Phuong Scholarship, SIU

The President's Scholarship or Award Fund (Southern Illinois University Foundation)

The Urban League of Pittsburgh, Inc., Grant-In-Aid

Thelma Louise Kellogg Scholarship Fund (Southern Illinois University Foundation)

Topper's Club Award

Transportation Club of Little Egypt Award

United Business Education Association Award

University Women's Club Award

Wall Street Journal Achievement Award

Washington County H.I.A. Honor Award

West Frankfort Business and Professional Women's Club Award

Western Electric Scholarship

White Plains Student Aid Society, Inc.

William C. Ballowe, Sr., Award in Physics (Southern Illinois University Foundation)

Women's Physical Education Award

Woody Hall Scholarship

EDWARDSVILLE CAMPUS

Alumni Scholarship Fund

American Association of University Women Scholarship

Elijah P. Lovejoy Memorial Grants

First Corinthian Baptist Church Scholarships

George Davis Biven Foundation Grants

Granite City Scholarship Foundation

National Secretaries Association Scholarship

The C. M. Gooch Foundation

The James Massa Grant

Wood River District Baptist Association Scholarship Fund

STUDENT LOAN FUNDS

CARBONDALE CAMPUS

Altrusa Club Student Loan Fund
American Home Department of Herrin Women's Club Student Loan Fund
Benton Student Loan Fund
C. A. Robertson Memorial Loan Fund (Southern Illinois University Foundation)
Carbondale Branch AAUW Loan Fund
Carbondale Business and Professional Women's Club Loan Fund
Carbondale Rotary Club Student Loan Fund
Class of 1939 Student Loan Fund
Cox Memorial Loan Fund
David E. Harwood Memorial Student Loan Fund
Delta Theta Tau Student Loan Fund
25th District Illinois Federation of Women's Clubs Student Loan Fund
Douglas Lawson Memorial Loan Fund
Dowdell Residence Halls Alumnae Loan Fund
E. G. Lentz Memorial Student Loan Fund
General University and Men's Residence Halls Emergency Loan Fund
Harrisburg Women's Club Student Loan Fund
Harwood Hall Student Loan Fund
Helen A. Shuman Memorial Fund (Southern Illinois University Foundation)
Henry Strong Educational Foundation Loan Fund
Householder's Loan Fund
Illinois Congress of Parents and Teachers Loan Fund
Illinois Health Improvement Association Loan Fund
Interfraternity Council Student Loan Fund
James L. Feezor Athletic Student Loan Fund
Jane Holloway Loan Fund
June Vick Memorial Loan Fund
Kappa Chapter-Professional Bookmen of America Memorial Loan Fund (Southern Illinois University Foundation)
Leonard Nelson Davis Memorial Loan Fund (Southern Illinois University Foundation)
Lionel Picheny Memorial Loan Fund
Lucy K. Woody Student Loan Fund (Southern Illinois University Foundation)
Malvine Beck Educational Student Loan Fund
Marion Business and Professional Women's Clubs Loan Fund
Mary M. Steagall Memorial Student Loan Fund (Southern Illinois University Foundation)
Men's Residence Halls Loan Fund
Pape Lukk Memorial Student Loan Fund (Southern Illinois University Foundation)
Pearle Sherman Student Loan Fund (Southern Illinois University Foundation)
Printing Service Loan Fund
Robert R. McCormick Graduate Student Loan Fund
Rosiclare Women's Club Student Loan Fund
Senior Class of 1962 Loan Fund
Shelby S. Shake Memorial Loan Fund
Southern Illinois University Alumni Association Student Loan Fund
Southern Illinois University Women's Club Loan Fund
The Stillman J. Stanard Memorial Student Loan Fund
The Thomas Clifford and Lora Alice Davis Memorial Fund (Southern Illinois University Foundation)

VTI Cooperative Retailing Loan Fund

William and Mary Gersbacher Student Loan Fund (Southern Illinois University Foundation)

William McAndrew Memorial Student Loan Fund (Southern Illinois University Foundation)

W. O. Brown Student Loan Fund

W. W. Vandever Student Loan Fund (Southern Illinois University Foundation)

EDWARDSVILLE CAMPUS

Alumni Loan Fund

General Student Loan Fund

Sav-Mart College Student Program

Sue McLaughlin Loan Fund

United Student Aid Fund Loans



Southern Illinois University Foundation

The Southern Illinois University Foundation is a nonprofit corporation chartered by the state and authorized by the Board of Trustees to receive gifts for the benefit of the University, to buy and sell property, and otherwise to serve the University.

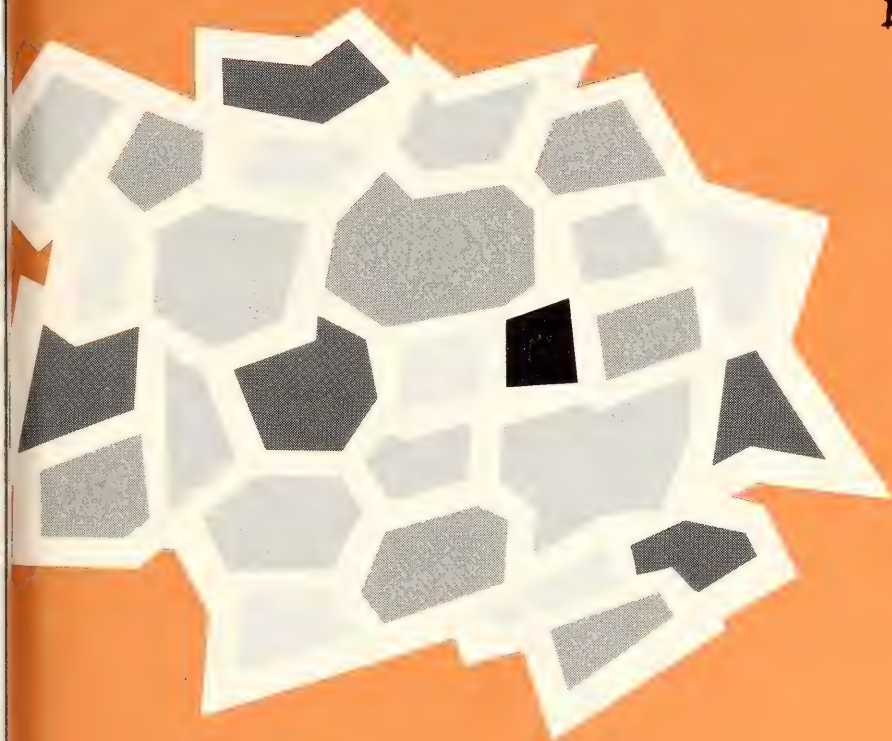
It respectfully asks alumni and other citizens of Southern Illinois to consider making gifts and bequests to benefit the University. Such gifts should be conveyed to the Foundation, with proper stipulation as to their uses. The Foundation, through its officers and members, will be glad to confer with intending donors regarding suitable clauses to insert in wills and suitable forms of gifts and memorials, including bequests by means of life insurance. Large or small gifts to the library will be appreciated; likewise, gifts for special equipment, buildings, endowment of professorships in particular subjects, gifts to student loan funds and scholarship funds, gifts for the use of foreign students, and endowments for particular sorts of research. Any gifts or bequests can be given suitable memorial names.

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Southern Illinois University

Bulletin



General Studies

and AIR FORCE ROTC

1964 - 65

Objectives of Southern Illinois University

TO EXALT BEAUTY

IN GOD,
IN NATURE,
AND IN ART,
TEACHING HOW TO LOVE THE BEST
BUT TO KEEP THE HUMAN TOUCH,

TO ADVANCE LEARNING

IN ALL LINES OF TRUTH
WHEREVER THEY MAY LEAD,
SHOWING HOW TO THINK
RATHER THAN WHAT TO THINK,
ASSISTING THE POWERS
OF THE MIND
IN THEIR SELF-DEVELOPMENT

TO FORWARD IDEAS AND IDEALS

IN OUR DEMOCRACY,
INSPIRING RESPECT FOR OTHERS
AS FOR OURSELVES
EVEN PROMOTING FREEDOM
WITH RESPONSIBILITY,

TO BECOME A CENTER OF ORDER AND LIGHT

THAT KNOWLEDGE MAY LEAD
TO UNDERSTANDING
AND UNDERSTANDING
TO WISDOM.

General Studies

and Reserve Officers Training Corps

Announcements for 1964-1965



SOUTHERN ILLINOIS UNIVERSITY BULLETIN
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The following issues of the *Southern Illinois University Bulletin* may be obtained without charge from Central Publications, Southern Illinois University, Carbondale, Illinois 62903.

General Information
General Studies and AF ROTC
Financial Assistance
Summer Session (Carbondale)
Summer Session (Edwardsville)
Schedule of Classes (Carbondale)
Schedule of Classes (Edwardsville)
Divisional Announcements (Edwardsville)
Graduate School
College of Education
College of Liberal Arts and Sciences
School of Agriculture
School of Business
School of Communications
School of Fine Arts
School of Home Economics
School of Technology
Division of Technical and Adult Education
Department of Nursing

All intending students should have the General Information bulletin (issued once a year), plus the special bulletins of the various educational units in which they are most interested.

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*Registrar and Director
of Admissions*
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This Bulletin

presents the General Studies program, which is required of all bachelor's degree students. It also covers in detail questions concerning the Air Force Reserve Officers Training Corps, which is for Carbondale Campus students only.

This issue supersedes volume 5, Number 7.

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General Studies

SOUTHERN ILLINOIS UNIVERSITY was established in 1869 as Southern Illinois Normal University. The shortened name became official in 1947 by action of the state legislature. The University now operates two major campuses, located at Carbondale and Edwardsville.

In the fall quarter of 1962, Southern Illinois University initiated a new, expanded program in General Studies. This program is required of all bachelor's degree students and replaces a program of distributive requirements, which called for the student to take a certain number of hours in several specified areas. In such a plan the student paid little attention to the order in which the courses were taken and sometimes even to the time, during his four years, when they were taken. Knowledge has a unity which is violated by such arrangement, and it is felt that only the better students put it all together in proper meaning and perspective.

Several recent developments have influenced colleges and universities toward General Studies programs. One of these is the explosive increase in the amount of knowledge that man has achieved. Another is that an increased standard of living has permitted a greater proportion of qualified youth to enter college. Colleges and universities are slowly accepting the new roles and responsibilities that have been thrust upon them and are accepting the fact that the subject matter of a university does not exist independently of the society which supports it.

Even a cursory examination of college catalogs will convince the impartial examiner of the need for some counter balances to specialism. The number of course offerings is seldom in direct proportion to the value of the courses. Further, the education of an enlightened people through the transmission of the culture of our times is a basic objective of higher education. Specialists themselves realize that rigid concentration within any field of study may deprive them of broader understandings so important for participation in life as citizens and parents.

Frequently the question is raised, "Why must I take this course or that course? I am preparing to make this subject my life's work, and will

not need the other courses I am being made to take." The answer is, of course, that all of our society must understand the ways in which the awesome discoveries in atomic energy, rocketry, and medicine, etc., shape our happiness, and may even determine our national survival. It has been said that the tempo of scientific progress is geared to our national security and welfare.

The technological revolution brought on by these discoveries has presented us with many social problems. These problems, too, have risen quickly, and the consequent social reactions of apathy, boredom, anxieties, frustration, changes in values, change in role, etc., indicate a clear need for better understanding to bring about a better social adjustment. Our educational efforts must produce citizens and leaders with an ability to use knowledge in a way which also advances social and cultural life.

Many leaders in higher education are convinced by the hard school of experience that a smattering and cafeteria-style sampling of introductory courses offered by "departments" have not provided a unified, broad understanding of the world that surrounds us. They note the advances that have come from research in the area of the psychology of learning. This comparatively new branch of the social sciences calls attention to new methods for stimulating reflective thinking, desires for stimulating learning, and better methods of presenting materials. Leaders in higher education are currently interested in the experimentation throughout the nation with teaching machines, with instruction through television, and with team teaching. Perhaps some of these new devices and new methods will lend themselves to the teaching of courses that meet the criteria for General Studies. There is a growing belief that instructional materials should be selected for the influence they will presumably have on the intellectual, moral, social, and personal development of students as well as for the support they may provide to a specific department or discipline.

General Studies are only part, not the whole, of man's education. While General Studies can conceivably help a student in his choice of occupation and can contribute to his success in a given occupation, their principal objective is not to develop vocational skills. They comprise that portion of the total curriculum which is concerned with the common needs of man and which assists the student to be more at home in a world that increasingly demands more of all men in terms of the intellectual, spiritual, and social. One of the prime purposes of a General Studies program is to prepare students to assume their proper responsibilities in an ever changing world.

The General Studies program at Southern has been structured to build in a relevance and continuity of subject matter. Progressive three-quarter sequences (three hours per quarter) have been designed. First-level or freshman courses are planned sequences, with the second quarter's work

based upon the first and the third quarter's work based upon the second. Second-level courses are normally completed during the sophomore and junior years. Third-level courses are offered to juniors and seniors. The new courses are not self-contained isolated units. The result is that a sense of unity is given to the whole program.

CRITERIA FOR GENERAL STUDIES COURSES

All courses approved by the President's Committee on General Studies have been carefully studied to determine their acceptability in meeting the following criteria:

1. Does the course emphasize insight into the basic principles and practices of the field of study concerned?
2. Does the course serve as an adequate terminal course for those who will not take additional work in this area?
3. Does the course show the relevance of a particular discipline to the understanding of other disciplines?
4. Does the course avoid overlapping or unduly repeating materials which are sufficiently covered elsewhere?
5. Does the course avoid repeating materials already covered adequately in high school?
6. Does the course provide an incentive for additional study in General Studies while in college and afterwards?
7. Does the course have depth and intensity in the materials selected for instruction, as well as breadth of outline?
8. In general, does the material of this course justify its inclusion in the General Studies program of Southern Illinois University?

ADVISEMENT

Academic advisement for students during the first two years is under the general direction of the executive officers of General Studies. Academic advisement for upperclassmen (those enrolled in the various colleges, schools, divisions, and departments) is under the general direction of the officers of the academic units in which they are enrolled. Co-ordination of the two types of advisement is the responsibility of the general academic deans (or their delegated representatives) of the two campuses.

ENROLLMENT

A student entering the University as a freshman or sophomore is enrolled in the General Studies program (except one entering the Vocational-Technical Institute). He may or may not indicate a tentative choice of his

primary field of interest, but he does not formally apply for admission into a specialized field until the quarter before he reaches junior standing.

Although the number of quarter hours in the General Studies curriculum constitutes approximately half of the number required for graduation, sufficient hours remain for adequate work in one's special field of interest. The General Studies requirements do not eliminate the possibility of an early start in that field, for one who has declared his field of interest may waive the first-level sequence in the appropriate area. However, one can take the General Studies sequences to the extent of a full load for several quarters and be able to make an unhurried selection of his field of interest.

Electives are built into the General Studies curriculum by a system of options, particularly on the second and third levels.

The new student can advance register and should see an adviser. During his first quarter, and each quarter thereafter, he may advance register for the succeeding quarter. Advisers need be consulted during registration only if necessary. The adviser is available for help if needed, but the responsibility for a correct registration and for meeting the requirements rests upon the student. He is encouraged by his general adviser, even during his first two years, to consult with representatives of the appropriate academic units concerning his possible field of interest.

The student is expected in his second year to take the Sophomore Testing Program, and in the quarter he expects to graduate to take the Graduate Record Examination. Students will be notified of the times and places of the examinations.

ACCELERATION AND PLACEMENT

There are three ways in which partial requirements of the General Studies program may be met without taking the courses specifically designed to meet those requirements. They are waivers, advanced-standing assignments, and proficiency examinations.

Depending upon their background preparation in a particular subject, students may be placed in different sections of a particular course or in different sequences.

All students enrolled in the General Studies program are urged to consult their advisers at the earliest possible moment concerning the procedures for accelerating their programs.

WAIVERS

Each student is entitled to waive (i.e., omit entirely) the first-level sequence in the area (A, B, or C only) in which he will concentrate his work and to begin his work in that area at the second level. This is inad-

visible, however, for some majors; and the department or division involved may require the student to take the first-level sequence. Of course the student who has not chosen a field of concentration cannot waive a first-level sequence. (Please refer to page 17 for a note on waivers.)

ADMISSION WITH ADVANCED STANDING

More commonly, advanced standing will be achieved on the basis of A.C.T. scores and the high school record, or through passing a special advanced-standing examination (not the proficiency exam). Where a student qualifies for and requests advanced standing in a course he will not ordinarily be permitted to later enroll in that course for credit. For example, one who qualifies for advanced standing in GSD 114 will not take GSD 114 for credit.

A student who gains exemption from certain courses by advanced standing may (1) take advanced work in that area if more work is required by the General Studies program, (2) discontinue any further work in that area if it is not required by the General Studies program, (3) take advanced work in that area to satisfy the requirements of a particular curriculum, or (4) take additional courses in that area as electives.

Advanced standing for the General Studies program should not be confused with the High School Advanced Placement Program of the College Entrance Examination Board. Information on the Advanced Placement Program appears in the General Information issue of the *Southern Illinois University Bulletin*.

PROFICIENCY EXAMINATIONS

The rules covering the General Studies proficiency examinations are similar to those governing other proficiency examinations at Southern.

If a student passes a proficiency examination over a General Studies course he will be exempt from that portion of the program. In addition, if his grade is *B* or better, he will be granted an equivalent number of quarter hours toward graduation.

Information concerning proficiency examinations may be secured from the Registrar's Office, Carbondale, or from the Office of Academic Advisement, Edwardsville.

OUTLINE OF GENERAL STUDIES REQUIREMENTS

Area A: Man's Physical Environment and Biological Inheritance....24 hours

A first-level basic sequence	(GSA-1)	9 hours
A second-level continuation sequence	(GSA-2)	9 hours
Third-level advanced courses	(GSA-3)	6 hours

<i>Area B: Man's Social Inheritance and Social Responsibilities</i>	24 hours
A first-level basic sequence	(GSB-1) 9 hours
A second-level continuation sequence	(GSB-2) 9 hours
Third-level advanced courses	(GSB-3) 6 hours
<i>Area C: Man's Insights and Appreciations</i>	24 hours
A first-level basic sequence	(GSC-1) 9 hours
A second-level continuation sequence	(GSC-2) 9 hours
Third-level advanced courses	(GSC-3) 6 hours
<i>Area D: Organization and Communication of Ideas</i>	18 hours
Required college composition and speech	(GSD-1) 9 hours
Either a foreign language sequence or a basic mathematics sequence	(GSD Math or FL) 9 hours
<i>Area E: Health and Physical Development</i>	6 hours
First-level required physical education	(GSE PE) 3 hours
Second-level required health education	(GSE-2) 3 hours
<i>Total</i>	96 hours
If a first-level sequence is waived, the total is only 87 hours.	

SPECIFIC REQUIREMENTS—CARBONDALE

FRESHMAN LEVEL	39-48 HOURS
GSA-1	101-9 (phys, chem, chem) lab is optional 9
GSB-1	101-9 (hist, hist, geog) 9
GSC-1	110-9 (western humanities); OR 100-3 (mus) or 101-3 (art), 102-3 (phil), 103-3 (lit) 9
GSD-1	101-6 (Eng comp), 103-3 (spch) 9
GSD Math or FL	108-9 (Math); OR 108-6, 110-3 (bus, econ, ag econ majors only); OR 114-9 (col alg & trig); OR a 9-hour course in a foreign language
GSE PE (men)	101a (swim) or 102; plus 2 hours excluding 101a, 102;
(women)	OR 111a (swim) or 112 or 113d, plus 2 hours exclud- ing 111a, 112, 113d; BUT each student who cannot pass a swimming test must take 101a or 111a, and not more than two hours in 101 and 103 or in 111 and 103 may apply toward the requirement. 3
FC	Attendance at freshman convocations for 3 quarters is required but is not part of the GS program.

USAF Men must take 3 quarters of freshman Air Science,
 which is not part of the GS program.

SOPHOMORE LEVEL 30 HOURS

GSA-2	201-6 (biol), 201c (biol) or 200-3 (geol)	9
GSB-2	201-9 (anth, psyc, soc); OR 211-9 (econ, govt, econ-govt)	9
GSC-2	209-3 (modern lit) or 202-3 (poetry) or 203-3 (thea), and 200 (speech) or 204-3 (art) or 205-3 (des) or 206-3 (mus), and 207-3 (phil) or 208-3 (logic) or 201-3 (drama) or 210-3 (fiction); OR 211-9 (oriental humanities)	9
GSE-2	201-3 (health educ)	3

JUNIOR LEVEL 18 HOURS

GSA-3	Any two of the following, except not both 330 & 331: 301 (phsl), 302 (psyc), 312, 313, 314, 315 (zool), 321 (geol), 330, 331 (geog), 340, 345 (bot)	6
GSB-3	Any two of the following: 300a, 300b, 300c ¹ , 301, 302, 303, 304 (govt), 311, 312, 313 (econ), 314 (ag- econ), 320 (soc, summer, abroad), 321 (soc), 323 (hist), 325 (soc), 331 (educ), 333 (hist), 341 (soc), 343 (geog), 369 (hist), 385, 390, 392 (govt)	6
GSC-3	Any two of the following: 301 (Eng), 305 (Fr), 310, 311, 312 (phil), 313 (Eng), 318 (Eng, summer, abroad), 320 (Grk), 321 (Eng), 330 (Grk), 331 (Ltn), 335 (Eng), 340, 341, 342 (art), 345 (Eng), 348 (p&p), 365 (Eng), 381, 382, 383, 386, 387 (phil)	6

SPECIFIC REQUIREMENTS—EDWARDSVILLE

FRESHMAN LEVEL 39-48 HOURS

GSA-1	101-9 (phys, phys-chem, chem)	9
GSB-1	101-9 (geog, hist, hist)	9
GSC-1	151-3 (poetry), 152-3 (logic), 100-3 (mus) or 101-3 (art)	9
GSD-1	101-6 (Eng comp), 103 (spch)	9
GSD Math or FL	112-9 (math); OR 114-6 (col alg) 114c-3 (trig) or 114d-3 (stat); OR a 9-hour course in a foreign language	9

¹ Except 300c may not be taken separately for General Studies credit.

GSE PE (men) 101a (swim), 102, plus one hour excluding 101a, 102;
 (women) OR 111a (swim), 112, plus one hour excluding 111a,
 112;
 BUT a student who passes a swim test or for whom
 no swim facilities are provided must take 102 or
 112 and 2 hours from 103, 104 or from 113, 114. 3

SOPHOMORE LEVEL 30 HOURS

GSA-2	201a-3 (biol), 201b,c-6 (zool, bot) or 200-6 (earth science)	9
GSB-2	201-9 (anth, soc, psyc); OR 211-9 (econ, govt, govt-econ)	9
GSC-2	251-9 (lit-phil); OR 251a,c-6, 203-3 (thea) or 255-3 (mus)	9
GSE-2	201-3 (health educ)	3

JUNIOR LEVEL 18 HOURS

GSA-3	Any two of the following, except not both 330 & 331: 312 (conservation), 330, 331 (geog), 356 (astr), 358a,b, 361 (phys), 363a,b (phil,sci)	6
GSB-3	Any two of the following: 311 (econ), 331 (educ), 351a,b (geog-anth), 354 (econ-geog), 359a,b (soc, govt)	6
GSC-3	Any two of the following: 335 (Eng lit), 351a,b,c (art), 354a,b (thea), 357a,b,c (mus), 360a,b (art, mus, lit), 363a,b (phil-sci)	6

COURSE DESCRIPTIONS

These are General Studies courses rather than departmental courses. They are identified by *area* and number, not by *department* and number. For example, one taking Introduction to Physical Science might enroll in General Studies Area A (GSA) 101 but not in Physics 101 or Chemistry 101.

A small capital c just before a course number indicates that the course is given only on the Carbondale Campus; a capital E indicates that the course is given only on the Edwardsville Campus. The absence of both letters indicates, in most cases, that the course is given on both campuses.

Following the course number is a dash and a numeral indicating the total credit given for the course. In a case where additional numerals appear in parentheses, the course does not terminate in one quarter but continues for two or more quarters. Credit given for each part of the course is indicated by the numerals in parentheses.

For example, GSA 101-9 (3,3,3) is offered at both campuses for a total of 9 hours of credit. The course runs for one academic year (three quarters) at 3 hours per quarter. First a student takes 101a-3, then he takes 101b-3, and finally he completes the course by taking 101c-3.

GSA MAN'S PHYSICAL ENVIRONMENT AND BIOLOGICAL INHERITANCE

- 101-9 (3,3,3) **INTRODUCTION TO PHYSICAL SCIENCE.** The basic physical and chemical principles necessary to understand energy, and the properties and behavior of matter. Must be taken in a,b,c sequence. Prerequisite: Mathematics 100 or 106, or satisfactory score on placement test.
- 200-3 **EARTH SCIENCE.** A study of the earth: the materials which compose it, its various surface formations, the processes which change it, its relationship to the sun, and its mapping. No second level prerequisites. May be taken in lieu of one part of 201.
- 201-9 (3,3,3) **MAN'S BIOLOGICAL INHERITANCE.** The fundamentals of biological science: the cell, inheritance, evolution, the diversity of living organisms, and the structure and function of higher animals and plants. Must be taken in a,b,c sequence, with these exceptions: Carbondale students may take either 200, 201a, and 201b or 201a, 201b, and 200; Edwardsville students may take either 201a, 200, and 201c or 201a, 201b, and 200. Prerequisite: 101c (high-school chemistry or Chemistry 111 for Edwardsville science students).
- c 301-4 **PRINCIPLES OF PHYSIOLOGY.** A comprehensive introductory analysis of the functional machinery of the human body.
- c 302-3 **PSYCHOBIOLOGICAL FOUNDATIONS OF BEHAVIOR.** A study of the behavioral characteristics of living organisms, especially those of mammals and man.
- 312-3. **CONSERVATION OF NATURAL RESOURCES.** A study of man's use and misuse of natural environment.
- c 313-3 **EVOLUTION.** Principles and processes of the evolution of living things, including man. Prerequisite: one year of biology.
- c 314-3 **MAN'S GENETIC HERITAGE.** Principles of heredity as related to man, with emphasis on the effects of environment on his biological inheritance.
- c 315-3 **HISTORY OF BIOLOGY.** The inter-relationship between the development of biological knowledge and the history of mankind.
- c 321-3 **INTRODUCTION TO PALEONTOLOGY.** A study of the record of fossil plants and animals and the application of biological and geological principles to the development of theories regarding their origin, evolution, distribution, and extinction.
- 330-3 **WEATHER.** A study of weather elements basic to understanding the various atmospheric happenings, with application to agriculture, industry, recreational resources, etc. Students may take only 330 or 331 for General Studies credit.
- 331-3 **CLIMATE.** Description and interpretation of climatic regions and their influence on human activity. Students may take only 330 or 331 for General Studies credit.
- c 340-3 **ECOLOGY.** A consideration of ecological principles with emphasis upon examples relating to vegetation.

- c 345-3 ECONOMIC BOTANY. The study of man's dependence upon plants, domestication, production, consumption, crop ecology, possible new uses of plants.
- E 356-3 ASTRONOMY. The earth, moon, solar system, galaxy, and universe. A first course, largely descriptive, but relating behavior of celestial bodies to fundamental physical laws. Prerequisite: GSA-1 or Physics 297.
- E 358-6 (3,3) ANALYSIS OF PHYSICAL SYSTEMS. Quantitative applications of the principles of classical and modern physics. Prerequisite: GSD 114-9. Not open to students who have taken college physics.
- E 361-3 PHYSICS OF MUSIC AND ACOUSTICS. Nature, propagation, sources, and receptors of sound; acoustic phenomena; physics of musical instruments; mathematics of music; ears and hearing; physiology and psychology; transmission, storage, and reproduction.
- E 363-6 (3,3) PHILOSOPHY OF SCIENCE. (a) The logic of scientific explanation illustrated by analysis of physical concepts and theories. (b) The logic of explanation in the biological and behavioral sciences and their implications for the individual and society. May be taken in a,b or b,a sequence, but a,b is preferable.

GSB MAN'S SOCIAL INHERITANCE AND SOCIAL RESPONSIBILITIES

- 101-9 (3,3,3) SURVEY OF WESTERN TRADITION. (a) A general survey of the geographic setting in which Western civilization developed. Physical, economic, and historical geography of past and present Europe. (b) A general survey of the political, economic, social, and intellectual development of Western Europe from the Middle Ages through the French Revolution. (c) A general survey of the political, economic, social, and intellectual development of Western Europe since the French Revolution. Must be taken in a,b,c sequence at Edwardsville or b,c,a sequence at Carbondale.
- 201-9 (3,3,3) CULTURE, SOCIETY, AND BEHAVIOR. An examination of the anthropological, sociological, and psychological contributions to the understanding of human behavior. Must be taken in a,b,c sequence at Edwardsville or a,c,b sequence at Carbondale.
- 211-9 (3,3,3) POLITICAL ECONOMY. The functioning of the economy, the theory, organization, and operation of government, and the making of public policy in the economic sphere.
- 300-9 (3,3,3) HISTORY OF THE UNITED STATES. A general survey of the political, social, and economic development of the United States. (a) 1492 to 1815, (b) 1815 to 1900, (c) 1900 to the present.
- c 301-3 LAW: COMPARATIVE LEGAL SYSTEMS. A comparison of the legal institutions and laws in the United States, Western Europe, South America, and Eastern nations.
- c 302-3 LAW: CIVIL RIGHTS. The law protecting the civil liberties and rights of people.
- c *303-3 INTERNATIONAL RELATIONS. A study of world politics. The causes of international conflict and the conditions of peace.
- c 304-3 LAW: HISTORY AND PHILOSOPHY. A study of the evolution and development of law beginning with the ancient and archaic periods. Greek law, Roman law, and English and American law. In addition, the historical development of legal philosophy is reviewed.

- 311-3 ECONOMIC DEVELOPMENT OF THE UNITED STATES. A study of the development of the U.S. economy which emphasizes the underlying trends and forces of change that have led to our present economic structure, level of performance, and world position. Prerequisite: 211-9 at Carbondale, 211a at Edwardsville.
- c 312-3 COMPARATIVE ECONOMIC SYSTEMS. A comparative study of the goals, structure, and operation of the major economic systems, such as capitalism, socialism, communism, and fascism. Emphasis will be placed upon basic systems of organization and control, and upon mixed economies, rather than upon the traditional compartments within which economic systems are sometimes put.
- c *313-3 ECONOMICS OF WAR AND PEACE. A study of relations between wartime and peacetime economies with specific references to government controls, impact of military expenditures in "hot" and "cold" wars, and the reallocation of resources.
- c 314-3 ECONOMIC ANALYSIS OF THE AGRICULTURAL POLICIES OF THE UNITED STATES. A study of the agricultural policies of the United States with emphasis on the underlying economic bases of such policies and the effects of such policies on farmers, middlemen, and consumers.
- c 320-6 MODERN BRITAIN. History, economics, government, and sociology of contemporary Britain (summer only, abroad).
- c 321-3 SOCIALIZATION OF THE INDIVIDUAL. A study of the emergent social process in which the native capacities of the infant are shaped and developed through interaction with significant others during infancy and childhood.
- c 323-3 EAST AND WEST IN THE 20th CENTURY—ORIGINS AND PROSPECTS. Study of the development since the late 19th century of basic internal forces such as industrialization, nationalism, socialism, and fascism in the U.S., Europe, and Asia, and the manner in which these forces have led to both conflict and co-operation between these geographical areas.
- c 325-3 RACE AND MINORITY RELATIONS. An analytical study of the status of racial, ethnic, and religious minorities in the United States.
- 331-3 THE AMERICAN EDUCATIONAL SYSTEMS. A comprehensive study of the nature and purpose of Education in the United States and of how our schools are organized, financed, and conducted.
- c **333-3 SEMINAR IN PROBLEMS OF WAR AND PEACE. Interdisciplinary topics in the general area of war and peace.
- c 341-3 MARRIAGE. An examination of marriage in various societies with an emphasis on the origins, changes, and present status of dating, courtship and marriage in the United States.
- c *343-3 GEOGRAPHICAL BASIS OF INTERNATIONAL CONFLICTS. Examination of geographical factors of world political relations and conflicts during the inter-war and post-war periods.
- c 345-3 INTRODUCTION TO AMERICAN FOREIGN POLICY. An investigation of the means by which American foreign policy is formulated and executed and an analysis of the most significant challenges confronting America abroad.

Problems of Peace and War is a sequence of four separate courses (),

any one of which leads to an integrated seminar ().

- E 351-6 (3,3) GEOGRAPHIC AND CULTURAL BACKGROUND OF DEVELOPING AFRICA. (a) The relation of geography to the culture of Africa, with emphasis on the place cultural and geographic factors have in the developing nations of Africa, (b) An introduction to the many diverse cultures of Africa from the Egyptian civilization to the Bushman hunters. Either part may be taken separately.
- E 354-3 INDUSTRIAL ECONOMIC GEOGRAPHY. Geographic resource relationship to the economic life of our nation, distribution of resources, industrial production, and the transportation of industrial products.
- E 359-6 (3,3) SOCIETY AND STATE: SOCIAL AND POLITICAL THEORIES. Historical survey of political and social theories from ancient times to the 20th century. The formation of concepts are traced from their origins in the early civilizations to their development in Western thought. Critical analyses of representative thinkers. Either part may be taken separately.
- C 369-3 THE CONTEMPORARY FAR EAST. A study of relations between wartime and peacetime economies with specific references to government controls, impact of military expenditures in "hot" and "cold" wars, and the re-allocation of resources.
- C 385-3 CONTEMPORARY POLITICAL "ISMS." An advanced survey of recent political systems: Nationalism, Socialism, Communism, Liberal Democracy, Christian Socialism, Corporatism, Fascism.
- C 390-3 INTRODUCTION TO COMPARATIVE GOVERNMENT. A comparative survey of the organization and operation of politics in modern states.
- C 392-3 INTRODUCTION TO LATIN AMERICAN GOVERNMENT AND POLITICS. A general introduction to Latin American government on the institutionalized political expression of Latin American civilization and culture. Does not require a reading knowledge of Spanish or Portuguese.

GSC MAN'S INSIGHTS AND APPRECIATIONS

- 100-3 MUSIC UNDERSTANDING. Criteria for discriminative music listening as an asset to general culture. An examination of basic materials, techniques, and forms.
- 101-3 ART APPRECIATION. Study of significant achievements in art related to Western culture and contemporary life.
- C 102-3 PROBLEMS OF MORAL DECISION. An introduction to contemporary and perennial problems of personal and social morality, and to methods proposed for their resolution by great thinkers of past and present.
- C 103-3 MASTERPIECES OF LITERATURE. Reading in English, literary masterpieces of the Western world, to increase the student's competence in reading imaginative literature, to acquaint him with the great ideas and values of the best literature, and to train him to deal with literary materials in his writing.
- C 110-9 (3,3,3) AN INTRODUCTION TO WESTERN HUMANITIES. A selection of great works expressing the aesthetic, moral, and religious values of Western man. Sets forth the critical vocabulary of six humanistic disciplines: art, music, philosophy, design, literature, and theater; provides some direct experience of each one; and calls attention to interrelations among the disciplines and between the humanities and other aspects of Western culture. Must be taken in a,b,c sequence.

- E 151-3 INTRODUCTION TO POETRY. Introduction to the enjoyment of poetry. Practice in techniques of critical reading and writing.
- E 152-3 LOGIC. Study and practice in the analysis of verbal traps, relations between statements, deductive arguments, and inductive inferences.
- C 200-3. THE ORAL INTERPRETATION OF LITERATURE. Students participate in a dynamic analysis of literature stressing the creative role of the oral interpreter. Emphasis is on individual problems in understanding and communicating significant literary works.
- C 201-3 INTRODUCTION TO DRAMA. Not a history of the drama. The class will read about a dozen plays, modern and ancient, and consider how various dramatic conventions and devices are used to give form and meaning to human experience.
- C 202-3 INTRODUCTION TO POETRY. A variety of poems, from the simpler to the more complex, are read and discussed. Emphasis is upon enjoyment and upon heightened insight into human experience. Devices of artistic form, such as imagery and meter, are discussed as they are involved with the substance they express, human actions, feelings, and attitudes, including the poet's satisfaction in giving artistic form to his material.
- 203-3 DRAMA AND THE ARTS OF THE THEATER. The study of drama as a literary type; the relationship with the theater audience, the role of the theater in Western culture and its relation to other creative arts.
- C 204-3 MEANING IN THE VISUAL ARTS. A historically-oriented conception of the relationship between art and civilization which seeps through the examination of relevant examples of the visual arts to develop awareness of the great complexities of artistic motivation, the development of art styles, and the interaction between the artist and society.
- C 205-3 THE CONTEMPORARY ENVIRONMENT. A lecture-laboratory course designed to create a picture plane whereon a student may see some principles underlying architecture, visual communication, and other products of his physical and cultural environment.
- C 206-3 FOUNDATION OF MUSIC. Emphasis on the historical sequence of musical development from primitive ages through the contemporary scene. An introduction to the materials of music, including application of basic skills to keyboard performance, is provided in studio sections. Two hours of lecture, one hour of studio each week.
- C 207-3 PHILOSOPHY OF THE BEAUTIFUL. A study of the structure and importance of the beautiful in nature, society, personality, and the arts.
- C 208-3 LOGIC AND MEANING. A critical study of expressive, informative, and other modes of discourse, with emphasis on their roles in rational process.
- C 209-3 MODERN LITERATURE: FORM AND IDEA. Designed to give the student an interest in and an understanding of the forms, themes, and values of modern American, British; and Continental literature.
- C 210-3 INTRODUCTION TO FICTION. A study of the chief techniques of fiction and of some of the acceptable criteria for judging fiction. Readings in some of the masterpieces among American and European short story and novel writers.
- C 211-9 (3,3,3) AN INTRODUCTION TO ORIENTAL HUMANITIES. The literature, music, drama, visual art, and definitive cultural motifs of three great Asian traditions. (a) focuses on India, (b) on China, and (c) on Japan. May be taken in any sequence.

- E 251-9 (3,3,3) LITERARY AND PHILOSOPHICAL MASTERPIECES. An introduction to great works of the Western heritage. The Hebraic, Greek, and Latin traditions; beginning with Genesis and concluding with Augustine. May be taken in a,b,c sequence or by combining a,b or a,c with GSC 203 or 255.
- E 255-3 MUSIC IN HISTORY. An introduction to music history within history in general. Prerequisite: 251b or 251c.
- C 301-3. INTRODUCTION TO SEMANTICS. The nature of language, the emotional and intellectual content; breaking down linguistic naiveté and developing a consciousness of the motives in the rise of language.
- C 305-3 CONTEMPORARY FRENCH DRAMA. Study of French contemporary drama since 1930, to be read in translation, with emphasis on the *pièce à thèse*, the Theatre libre, symbolist drama, and the drama of modern social problems.
- C 310-3 RELIGIOUS FOUNDATIONS OF WESTERN CIVILIZATION. Examination of the historical backgrounds and contemporary expressions of Jewish, Catholic, and Protestant thought.
- C 311-3 PHILOSOPHIES AND RELIGIONS OF INDIA. Historical and comparative study of Hindu, Jain, and early Buddhist thought and practice.
- C 312-3 PHILOSOPHIES AND RELIGIONS OF THE FAR EAST. Historical study of the religious and secular thought of China and Japan: Confucianism, Taoism, and the varieties of Mahayana Buddhism.
- C 313-3 FOLKLORE. The types of folklore, with extensive reading in American and European folklore: practice in collecting and classifying, and in the use of Thompson's index, etc.
- C 318-3 MODERN BRITISH LITERATURE. Contemporary British Fiction and Drama (Summer only—Oxford program).
- C 320-3 GREEK LITERATURE IN TRANSLATION. A study of the masterpieces of Greek literature in translation.
- C 321-3 REVOLUTION AND ROMANTICISM. English literature of the late 18th and early 19th century in relation to the social and philosophical crises of times with animadversions on the relevance to our own times.
- C 330-3 CLASSICAL MYTHOLOGY. Study of the classical myths and their literary value.
- C 331-3 LATIN LITERATURE IN TRANSLATION. Discussion of Latin literary works and their influence on later literature.
- 335-3 STUDIES IN SHORT FICTION. The development of the short story as an artistic expression, its techniques, and its versatility, from the early 19th century to the present time.
- C 340-3 MODERN ART A: THE ART OF THE 19TH CENTURY. The principal movements of the 19th century: neo-classicism, romanticism, realism, impressionism, and post-impressionism. The styles of David, Ingres, Delacroix, Corot, Courbet, Manet, Degas, Monet, Renoir, Seurat, Van Gogh, and Gauguin receive emphasis.
- C 341-3 MODERN ART B: ART OF THE EARLY 20TH CENTURY 1890-1925. A study of modern art as manifest in Fauvism, cubism, and expressionism. Emphasis on the artistic development of Cezanne, Matisse, Rouault, Picasso, Braque, Gris, Leger, Kirchner, and Kandinsky.
- C 342-3 MODERN ART C: ART OF THE MID 20TH CENTURY 1920-1945. Abstraction, later German expressionism, the school of Paris, and surrealism. Special attention to the work of de Chirico, Klee, Miro, Beckman, Chagall, Kokashka, Soutine, and late Matisse, Picasso, Braque, and Leger.

- c 345-3 WORLD LITERATURE. A study of the outstanding works representative of various types and of varying cultures and eras, showing the fundamentally unchanging nature and spirit of man.
- c 348-3 PHOTOGRAPHY AND CINEMA. The basic technology of photography and cinema. The development of photography and cinema as art forms and their uses in education and mass communications. Criteria for the evaluation and appreciation of photography and cinema.
- E 351-12 (4,4,4) HISTORY OF WORLD ART. A study of painting, sculpture, and architecture from early to modern times, emphasizing the social and intellectual content of the major periods and significant styles. Prerequisite: 9 hours in GSC-2.
- E 354-6 (3,3) HISTORY OF THE THEATER. A study of (a) primitive, Greek, medieval, and Italian Renaissance theater, (b) the theater since the Italian Renaissance.
- 357-9 (3,3,3) MUSIC HISTORY AND LITERATURE. Integrates the development of musical thought and literature from Greek and Roman periods through the Renaissance and continuing through the twentieth century. Prerequisite: 255 for Edwardsville students.
- E 360-6 (3,3) ARTS AND IDEALS IN FAMOUS CITIES. A presentation of the chief art styles and aesthetic ideals of Western culture as they flowered in seven famous cities. A close study of selected masterworks of architecture, fine art, music, literature, and philosophy of art as expressions of men who shaped the physical faces and cultural lives of their cities. (a) 5th-century B.C. Athens, 13th-century Chartres, late 15th-century Florence, and early 16th-century Rome. (b) 18th-century London, 19th-century Paris, 20th-century New York.
- E 363-6 (3,3) PHILOSOPHY OF SCIENCE. (a) The logic of scientific explanation illustrated by analysis of physical concepts and theories. (b) The logic of explanation in the biological and behavioral sciences and their implications for the individual and society. May be taken in either a,b or b,a sequence, but a,b is preferable.
- c 365-3 SHAKESPEARE. The major works of William Shakespeare.
- c 381-3 GREEK PHILOSOPHY. The thought of the pre-Socratics, Plato, and Aristotle.
- c 382-3 GRAECO-ROMAN & MEDIEVAL PHILOSOPHIES. Epicureanism, Stoicism, and medieval Christian thought.
- c 383-3 EARLY MODERN PHILOSOPHY. Bacon, Hobbes, Descartes, Leibniz, Spinoza, and the British empiricists in the context of the scientific and general social outlook of the period.
- c 386-3 EARLY AMERICAN PHILOSOPHY. From the colonial period to the Civil War.
- c 387-3 RECENT AMERICAN PHILOSOPHY. Thought of Howison, Royce, Peirce, James, Dewey, and others.

GSD ORGANIZATION AND COMMUNICATION OF IDEAS

- 101-6 (3,3) ENGLISH COMPOSITION. Basic rhetorical principles in expository writing. Must be taken in a,b sequence. Prerequisite: GSD 100 or satisfactory score on placement test.
- 103-3 ORAL COMMUNICATION OF IDEAS. The basic principles and techniques of oral communication as applied to everyday speech activities.
- c 108-9 (3,3,3) FUNDAMENTALS OF MATHEMATICS. An introduction to

- mathematical concepts and reasoning presented at a level appropriate for university students who have had high school courses in intermediate algebra and plane geometry. Topics include the number system, college algebra, analytic geometry, probability and statistics. Must be taken in a,b,c sequence.
- c 110-3 ECONOMIC AND BUSINESS STATISTICS. Elementary statistical concepts including the nature of statistical methods, sampling, probability, frequency distributions, estimations, and hypothesis. May be taken as part c of the 108 sequence by economics and business students.
- E 112-9 (3,3,3) INTRODUCTION TO MATHEMATICS. Logical rules of deduction, the real number system, mathematical structures. Must be taken in a,b,c sequence. Prerequisite: Mathematics 100 or satisfactory score on placement test.
- 114-9 (3,3,3) COLLEGE ALGEBRA AND TRIGONOMETRY. For students who have had intermediate algebra and plane geometry in high school. Must be taken in a,b,c sequence, or b,c may be taken concurrently.
- E 114d-3 STATISTICS. Descriptive statistics, probability distributions, sampling, problems of statistical inference, regression and correlation. Prerequisite: 114b. May be taken in lieu of 114c.
- c 120-9 (3,3,3) ELEMENTARY CHINESE.¹ Emphasis on development of reading skills. Must be taken in a,b,c sequence.
- 123-9 (3,3,3) ELEMENTARY FRENCH. Open to students who have had no previous work in French. Must be taken in a,b,c sequence.
- 126-9 (3,3,3) ELEMENTARY GERMAN. Open to students who have had no previous work in German. Must be taken in a,b,c sequence.
- c 130-9 (3,3,3) ELEMENTARY GREEK. (a) Grammar is emphasized, (b,c) reading of a text, usually the New Testament. Must be taken in a,b,c sequence.
- c 133-9 (3,3,3) ELEMENTARY LATIN. Open to students who have had no previous work in Latin. Must be taken in a,b,c sequence.
- 136-9 (3,3,3) ELEMENTARY RUSSIAN. No previous knowledge of Russian required. Must be taken in a,b,c sequence.
- 140-9 (3,3,3) ELEMENTARY SPANISH. Open to students who have had no previous work in Spanish. Must be taken in a,b,c sequence.
- E 144-9 (3,3,3) ELEMENTARY ITALIAN. Open to students who have had no previous work in Italian. Must be taken in a,b,c sequence.

GSE HEALTH AND PHYSICAL DEVELOPMENT

Courses numbered 100-104 are for men; 110-114 are for women.

100-3 (1,1,1) RESTRICTED PHYSICAL EDUCATION (Men).

101-1 SWIMMING (Men). (a) Beginning swimming, (b) Intermediate swimming, (c) Diving.

102-1 PHYSICAL FITNESS (Men).

NOTES pertaining to GSD 120 through 142:

¹Sections of conversation for 1 hour of credit are available with each of these languages, but on an elective basis. See the College of Liberal Arts and Sciences bulletin.

²Students having had high school language training should see the Department of Foreign Languages for placement.

³The first two courses in any sequence do not count toward the 192 hours required for graduation unless the third course is also completed.

- 103-1 DANCE (Men). (a) Square, (b) Folk, (c) Social.
- 104-1 INDIVIDUAL AND TEAM ACTIVITY (Men). (a) Archery, (b) Badminton, (c) Basketball, (d) Bowling, (e) Golf, (f) Soccer, (g) Speedball, (h) Tennis, (i) Volleyball, (j) Softball, (k) Horseback riding, (m) Fencing, (n) Cross country, (p) Ice Skating, (q) Fly and bait casting, (r) Stunts and tumbling, (s) Gymnastics, (t) Touch football, (u) Wrestling, (v) Personal defense.
- 110-3 (1,1,1) RESTRICTED PHYSICAL EDUCATION (Women).
- 111-1 SWIMMING (Women). (a) Beginning Swimming, (b) Intermediate Swimming, (c) Diving.
- 112-1 BASIC BODY MOVEMENT (Women).
- 113-1 DANCE (Women). (a) Square, (b) Folk, (c) Social, (d) Beginning Contemporary, (e) Intermediate Contemporary.
- 114-1 INDIVIDUAL AND TEAM ACTIVITY (Women). (a) Archery, (b) Badminton, (c) Basketball, (d) Bowling, (e) Golf, (f) Soccer, (g) Speedball, (h) Tennis, (i) Volley Ball, (j) Softball, (k) Horseback riding, (m) Fencing, (n) Hockey.
- 201-3 HEALTHFUL LIVING. Personal and community health. Presents scientific health information as a basis for helping the student develop wholesome health attitudes and practices.

CURRICULUM GUIDES

This bulletin contains four-year curriculum guides showing the distribution of General Studies courses and courses for particular fields of interest. A curriculum guide is provided for the student of undecided interest. The student who follows one of these curriculum guides may fill out and submit his schedule to the sectioning center of the Registrar's Office. If the student deviates from the curriculum guide he must then see a general adviser. In the curriculum guides, most General Studies courses are arranged as one-year sequences. The student is therefore encouraged to think of his registrations in terms of year-long increments in the various areas.

If a curriculum is called "preprofessional" it does not lead to a degree at Southern. Students enrolled in such curricula transfer to professional schools after a year or more.

These guides show how the various curricula may be arranged by quarter and year. However, they are intended as guides *only* and should be varied to meet individual needs. Substitutions are possible, and often necessary.

WAIVERS

Some of these guides indicate that the student should waive a certain General Studies area. The area indicated is the one most commonly waived; but each student should select his waiver, if any, in consultation with his adviser.

Carbondale Campus

UNDECIDED MAJOR

ALL ACADEMIC UNITS AT CARBONDALE

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1	3	GSA-1	3	GSA-1	3
GSB-1	3	GSB-1	3	GSB-1	3
GSC-1	3	GSC-1	3	GSC-1	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
Elective	3	Elective	3	Elective	3
	16		16		17

Second Year

GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB-2	3	GSB-2	3	GSB-2	3
GSC-2	3	GSC-2	3	GSC-2	3
GSD Math or FL	3	GSD Math or FL	3	GSD Math or FL	3
GSE 201	3	Elective	3	Elective	3
USAF	1	USAF	1	USAF	0
	16		16		15

ACCOUNTING

SCHOOL OF BUSINESS

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1	3	GSA-1	3	GSA-1	3
GSB-1	3	GSB-1	3	GSB-1	3
GSC-1	3	GSC-1	3	GSC-1	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD 108a or 114a	3	GSD 108b or 114b	3	GSD 110	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
	16		16		17

Second Year

GSA-2	3	GSA-2	3	GSA-2	3
GSB 211a	3	GSB 211b	3	GSB 211c	3
GSC-2	3	GSC-2	3	GSC-2	3
GSE 201	3	Econ 214	3	Econ 215	3
USAF	1	USAF	1	USAF	0
Acct 251a	4	Acct 251b	4	Acct 251c	4
	17		17		16

Third and Fourth Years, Not Arranged by Quarter

GSA-3	6	Acct 331, 341, 351abc, 356, & 442	29	Mgt 320 & 340	9
GSB-311	3	Acct 355, 415, 432, 458, 459, or 461	3-4	Mgt 371, & 372 or 373 ..	8
GSB-3	3	Econ 315	4	Mgt 481	3
GSC-3	6			Mktg 225 & 325	7
				Electives	11

AGRICULTURAL EDUCATION, VOCATIONAL

SCHOOL OF AGRICULTURE

First Year					
FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a ¹	3	GSA 101b	3	GSA 101c	3
GSB-1 (waive)	0	GSB-1 (waive)	0	GSB-1 (waive)	0
GSC 100 or 101	3	GSC 102	3	GSC 103	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD 108a or 114a	3	GSD 108b or 114b	3	GSD 108c or 114c	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
AgI 114	4	PII 103	4	AnI 105	4
	17		17		18
Second Year					
GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB 201a	3	GSB 201c	3	GSB 201b	3
GSB 211a	3	GSB 211b	3	GSB 211c	3
GSC-2	3			GSC-2	3
USAF	1	USAF	1	USAF	0
AnI 315	4	Ag elective	4	PII 309	5
	17	AgI 210 ²	2		
			16		17
Third Year					
GSE 201	3	GSB 331	3	GSA-3	3
AgI 375	3	GSC-2	3	GSB 314 ⁶ or other	
AgI 350	5	AgI 373 ³	5	GSB-3	3
Eng 391 ⁵	3	Ag elective	3	AgI 215 ⁴	4
Guid 305	4	IM 417	4	PII 264 or For 360	4
	18		18	SEd 310	4
					18
Fourth Year					
		GSA-3	3		
		GSC-3	3	GSC-3	3
AgI 307 ⁷	2	AgI (Econ elec)	3-4	Ag elective	4
AgI 309	5	Ag elective	4	Ag elective	4
AgI 311	3	SEd 440	3	Ag elective	3
AgI 312 ⁸	8			Guid 422	3
	18		16-17		17

¹ If noncredit math 106 is required, delay GSA 101 until winter.
² Taught winter only.
³ Taught winter and alternate summers.
⁴ Taught spring and alternate summers.
⁵ May be omitted through proficiency exam.
⁶ Will satisfy three hours of Ag Economics (Technical Ag)
⁷ Taken in summer prior to student teaching.
⁸ Student teaching in either fall or winter quarter.

AGRICULTURAL INDUSTRIES (AGRICULTURAL ECONOMICS)

SCHOOL OF AGRICULTURE

First Year					
FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a ¹	3	GSA 101b	3	GSA 101c	3
GSB-1 (waive)	0	GSB-1 (waive)	0	GSB-1 (waive)	0
GSC 100 or 101	3	GSC 102	3	GSC 103	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD 108a or 114a	3	GSD 108b or 114b	3	GSD 110	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
AgI 114	4	AnI 105 or 231	4	PII 103	4
	17		17		18
Second Year					
GSA 201a	3	GSA 201b	3	GSA 201c or 200	3
GSB 201a	3	GSB 201c	3	GSB 201b	3
GSB 211a	3	GSB 211b	3	GSB 211c	3
GSE 201	3	Econ 214	3	Econ 215	3
USAF	1	USAF	1	USAF	0
AnI 315	4	PII 309	5	AgI 350	5
	17		18		17
Third Year					
GSB 314	3	GSA-3	3	GSA-3	3
GSC 209, 202, or 203	3	GSB-3	3	GSC 208	3
AgI 354	4	GSC 204, 205, or 206	3	Ag Elective	4
Electives	3-4	Ag Elective	4	Elective	5-6
Acct 250	4	Elective	4		
	17-18		17		15-16
Fourth Year					
GSC-3	3	GSC-3	3	AgI elective	4
AgI 456	3	AgI elective	4	Ag elective	4
Ag elective	4	Electives	8	Electives	8
Electives	6		15		16
	16				

300-level GS courses and electives are to be selected in consultation with departmental counselors.

¹ If noncredit Math 106 is required, delay GSA 101 until winter.

AGRICULTURAL INDUSTRIES (AGRICULTURAL ENGINEERING SERVICES)

SCHOOL OF AGRICULTURE

First Year					
FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a ¹	3	GSA 101b	3	GSA 101c	3
GSB-1 (waive)	0	GSB-1 (waive)	0	GSB-1 (waive)	0
		GSB 211a	3	GSB 211b	3
GSC 100 or 101	3	GSD 101b	3	GSD 103	3
GSD 101a	3	GSD 108b or 114b	3	GSD 108c or 114c	3
GSD 108a or 114a	3	GSE PE	1	GSE PE	1
GSE PE	1	FC 000	0	FC 000	0
FC 000	0	USAF	0	USAF	1
USAF	0	PII 103	4	AnI 105	4
AgI 114	4		17		18
	17				

Second Year					
GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB 211c	3				
GSC 102	3	GSC 103	3	GSC-2	3
USAF	1	USAF	1	USAF	0
AgI 375	3	AnI 315	4	GSE 201	3
AgI 354	4	AgI 214	2	AgI 303	4
		Elective	4	Mktg 337	4
	<hr/> 17		<hr/> 17		<hr/> 17

Third Year					
GSA-3	3	GSA-3	3	GSB-3	3
GSB 201a	3	GSB 201c	3	GSB 201b	3
GSC-2	3	GSC-2	3	PII 309	5
AgI 306	2-5	AgI 373	5	Ag elective	4
Ag electives	3-6	Business elective	4	Business elective	3
	14-20		18		18

Fourth Year					
GSB-3	3	GSC-3	3	Ag elective	7
GSC-3	3	AgI 374 or 378	4	Electives	8
AgI 378 or 473	4	Electives	8		
Business electives	6				
	16		15		15

300-level GS courses and electives are to be selected in consultation with departmental counselors.

¹ If noncredit 106 Math is required, delay GSA 101 until winter.

AGRICULTURE, GENERAL

FALL	HOURS
GSA 101a ¹	3
GSC 100 or 101	3
GSD 101a	3
GSD Math ¹	3
GSE PE	1
FC 000	0
USAF	0
Agriculture ²	4
	17

Second Year	
GSA-2	3
GSB-1 or 201a ³	3
GSB 211a	3
GSC-2	3
USAF	1
Agriculture	4-8
	14-18

Third Year	
GSA-3	3
GSB-3	3
GSC-3	3
Agriculture sciences and electives ⁴	5-9
	14-18

SCHOOL OF AGRICULTURE

WINTER	HOURS	SPRING	HOURS
GSA 101b	3	GSA 101c	3
GSC 102	3	GSC 103	3
GSD 101b	3	GSD 103	3
GSD Math	3	GSD Math	3
GSE PE	1		
FC 000	0	FC 000	0
USAF	0	USAF	1
Agriculture ²	4	Agriculture ²	4
	17		17

Second Year	
GSA-2	3
GSB-1 or 201c ³	3
GSB 211b	3
GSC-2	3
USAF	1
Agriculture	4-8
	14-18

Third Year	
GSA-3	3
GSB-3	3
Agriculture sciences and electives ⁴	8-12
	14-18

GSE 201	3
GSC-3	3
Agriculture sciences and electives ⁴	8-12
	14-18

<i>Fourth Year</i>		<i>Fourth Year</i>		<i>Fourth Year</i>	
Agriculture ⁴ and electives	14-18	Agriculture ⁴ and electives	14-18	Agriculture ⁴ and electives	14-18

¹ If noncredit Math 106 is required, delay GSA 101 until winter. A student with a background and interest in the sciences and with an A.C.T. score of 75 in the Natural Sciences is recommended to:

- a) take GSD 114,
- b) substitute Chem 111a for GSA 101b, or
- c) after completion of GSA 101b with a grade of *B* or better, take Chem 111b and 305.

² At least one of the following courses in agriculture is to be selected from a different department each quarter: AnI 105, 125, 231; AgI 114; PII 103.

³ Take GSB-1 or waive GSB-1 and take GSB 201abc; suggest no waiver if contemplating change of major to plant or animal industries.

⁴ Consult School of Agriculture bulletin and appropriate counselors for selection of courses.

ANIMAL INDUSTRIES

SCHOOL OF AGRICULTURE

<i>First Year</i>					
FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a	3	GSA 101b ³	3	GSA 101c	3
GSC 100 or 101	3	GSC 102	3	GSC 103	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD Math ¹	3	GSD Math	3	GSD Math	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
AnI 105 or 231 ²	4	AnI 125 or 231 or AgI 114 ²	4	AnI 125 or 231 or PII 103 ²	4
	17		17		18
<i>Second Year</i>					
GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB 211a	3	GSB 211b	3	GSB 211c	3
GSB 101c	3	GSB 101a	3	GSB 101b	3
GSC 209, 202 or 203	3	GSC 204, 205 or 206	3	GSC 207, 208, 201 or 210	3
USAF	1	USAF	1	USAF	0
AnI 332 or Ag elective ..	4	AnI 315 or Ag elective ..	4	Ag elective	4
	17		17		16
<i>Third Year</i>					
GSA-3	3	GSA-3	3	GSC-3	3
GSB-3	3	GSB-3	3	AnI or Ag elective ⁴	14
GSE 201	3	GSC-3	3		
AnI or Ag elective ⁴ ..	8-9	AnI or Ag elective ⁴ ..	8-9		
	17-18		17-18		17
<i>Fourth Year</i>					
Agriculture and other electives	14-18	Agriculture and other electives	14-18	Agriculture and other electives	14-18

¹ If noncredit Math 106 is required, delay GSA 101 until winter. Students with high enough mathematics scores should take GSD 114.

² Two of AnI 105, 125, and 231 are required. AgI 114 and PII 103 are also required.

³ Chem 111 may substitute for GSA 101b if student has grade of "B" or better in GSA 101a. It is then possible to take Chem 112 and 305 rather than GSA 101c. This is recommended for those planning to pursue graduate study.

⁴ A total of 48 hours in Animal Industries required.

ANTHROPOLOGY

COLLEGE OF LIBERAL ARTS AND SCIENCES

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1	3	GSA-1	3	GSA-1	3
GSB-1	3	GSB-1	3	GSB-1	3
GSC-1	3	GSC-1	3	GSC-1	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSE PE	1	GSE	1	GSE	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
	16		16		17

Second Year

GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB 201a	3	GSB 201b	3	GSB 201c	3
GSC-2	3	GSC-2	3	GSC-2	3
GSD FL	3	GSD FL	3	GSD FL	3
GSE 201	3	Elective	3	Elective	3
USAF	1	USAF	1	USAF	0
	16		16		15

Third Year

GSA-3	3	GSA 313	3	* GSC-3	3
GSB 303	3	GSB 312	3	* GSC-3	3
Anth 300	3	Anth 303	3	Anth 304	3
Anth 404	4	Anth 400	4	Anth 409	4
Elective	3	Elective	3	Elective	3
	16		16		16

* Any two of GSC 311, GSC 312, GSC 382, GSC 383

Third Year

Anth 306a (1964-5) or 305a (1965-6)	3	Anth 306b (1964-5) or 305b (1965-6)	3	Anth 306c (1964-5) or 305c (1965-6)	3
Anth 483	3-18	Anth 483	3-18	Anth 483	3-18
Elective	0-12	Elective	0-12	Elective	0-12
	18		18		18

Fourth Year

Anth 401	4	Anth 405	4	Anth 408	4
Electives	14	Electives	14	Electives	14

The electives include 14 hours of electives in anthropology.

APPLIED SCIENCE

SCHOOL OF TECHNOLOGY

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a (waive)	0	GSA 101b (waive)	0	GSA 101c (waive)	0
GSB 101b	3	GSB 101c	3	GSB 101a	3
GSC-1	3	GSC-1	3	GSC-1	3
GSD 101a	3	GSD 101b	3	GSD 103	3
USAF 100a	0	USAF 100a	0	USAF 100a	0
				USAF 110	1
FC 000	0	FC 000	0	FC 000	0
Chem 111a	5	Chem 111b	5	Chem 111c	5
Math 150a ¹	5	Math 150b	5	Math 252a	5
	19		19		20

<i>S e c o n d Y e a r</i>					
GSA 201a	3	GSA 201b	3	GSA 201c or 200	3
GSB-2	3	GSB-2	3	GSB-2	3
		GSE PE	1	GSE PE	1
USAF 200a	0	USAF 200a	0	USAF 200a	0
USAF 210	1	USAF 220	1		
Phys 211	5	Phys 213	5	Phys 212	5
Math 252b	4	Math 305a	3	Math 305b	3
Engr 260a	3	Engr 260b	3	Engr 260c	3
	19		19		18
<i>T h i r d Y e a r</i>					
GSC-2	3	GSC-2	3	GSC-2	3
GSB-3	3	GSB-3	3	GSE 201	3
				GSE PE	1
Engr 331a	4	Engr 331b	4	Engr 331c	4
Engr 311a	3	Engr 311b	3	Engr 311c	3
Engr 300a	3	Engr 300b	3		
Elective	3	Elective	3	Electives	6
	19		19		20
<i>F o u r t h Y e a r</i>					
GSC-3	3	GSA-3	3	GSA-3	3
ApS 450	4	GSC-3	3	Electives ²	15
ApS 470	4	Electives ²	13		
Engr 335a	3				
Electives ²	6				
	20		19		18

¹GSD 114-9 may be bypassed through waiver, advanced standing, or proficiency examination.

²Specific courses are needed to meet the elective area requirements. Guidance in the selection of the desired courses is provided by the School of Technology adviser.

ART (ART EDUCATION)

SCHOOL OF FINE ARTS

<i>First Year</i>					
FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1	3	GSA-1	3	GSA-1	3
GSB-1	3	GSB-1	3	GSB-1	3
GSC-1 (waive)	0	GSC-1 (waive)	0	GSC-1 (waive)	0
GSD 101a	3	GSD 101b	3	GSD 103	3
GSE-1	1	GSE-1	1	GSE-1	1
USAF	0	USAF	0	USAF	1
FC 000	0	FC 000	0	FC 000	0
Art 100	6	Art 100	6	Art 100	6
	16		16		17
<i>Second Year</i>					
GSA-2	3	GSA-2	3	GSA-2	3
GSB-2	3	GSB-2	3	GSB-2	3
USAF	1	USAF	1	GSE-2	3
Art 200	6	Art 200	6	USAF	0
Art 225	3	Art 226	3	Art 200	6
	16		16	Art 227	3
<i>Third Year</i>					
GSA-3	3	GSA-3	3	Art History	3
GSC-2	3	GSC-2 (art)	3	GSC-2	3
GSD-Math or FL	3	GSD-Math or FL	3	GSD-Math or FL	3
Art 306	3	Art 307	3	Art 308	3
Art 302	4	Art 231	4	Art 385	4
	16		16		16

			<i>F o u r t h Y e a r</i>			
GSB-3	3		GSB 331	3	Student Teaching	12
GSC-3 (art)	3		GSC-3 (art)	3	Secondary	
SEd 310	4		Guidance 305	4	Education 440	4
IM 417	3		Guidance 422	3		
Art	3					
	16			13		16

ART (STUDIO OR CRAFTS)

<i>First Year</i>			
FALL	HOURS	WINTER	HOURS
GSA-1	3	GSA-1	3
GSB-1	3	GSB-1	3
GSC-1 (waive)	0	GSC-1 (waive)	0
GSD-101a	3	GSD-101b	3
GSE-1	1	GSE-1	1
USAF	0	USAF	0
FC 000	0	FC 000	0
Art 100	6	Art 100	6
	<hr/> 16		<hr/> 16

		<i>Second Year</i>	
GSA-2	3	GSA-2	3
GSB-2	3	GSB-2	3
USAF	1	USAF	1
Art 200	6	Art 200	6
Art 225	3	Art 226	3
	<hr/> 16		<hr/> 16

		<i>Third Year</i>	
GSA-3	3	GSA-3	3
GSC-2	3	GSC-2 (art)	3
GSD Math or FL	3	GSD Math or FL	3
Art	7	Art	7
	<hr/> 16		<hr/> 16

		<i>Fourth Year</i>	
GSB-3	3	GSB-3	3
GSC-3 (art)	3	GSC-3 (art)	3
Art	10	Art	10
	<u>16</u>		<u>16</u>

SCHOOL OF FINE ARTS

SPRING	HOURS
GSA-1	3
GSB-1	3
GSC-1 (waive)	0
GSD-103	3
GSE-1	1
USAF	1
FC 000	0
Art 100	6
	17

GSA-2	3
GSB-2	3
GSE-2	3
USAF	0
Art 200	6
Art 227	3
	18

Art 345	3
GSC-2	3
GSD Math or FL	3
Art	7
	16

Art	16
	16

BIOLOGICAL SCIENCES

COLLEGE OF EDUCATION OR LIBERAL ARTS AND SCIENCES

First Year					
FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1 (waive)	0	GSA-1 (waive)	0	GSA-1 (waive)	0
GSA 201a ¹	3	GSA 201b	3	GSA 201c	3
GSB 101b	3	GSB 101c	3	GSB 101a	3
GSC 110a	3	GSC 110b	3	GSC 110c	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD 108a	3	GSD 108b	3	GSD 108c	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
	16		16		17

<i>S e c o n d Y e a r</i>					
GSB 201a	3	GSB 201c	3	GSB 201b	3
GSD FL	3	GSD FL	3	GSD FL	3
Chem 111a	5	Chem 111b	5	Chem 350 or 111c	4 or 5
Zool 102	5	Zool 103	5	GSE 201	3
USAF	1	USAF	1	USAF	0
				Electives	5
	<hr/> 17		<hr/> 17		<hr/> 18-19
<i>T h i r d Y e a r</i>					
GSC-2	3	GSA-3	3	GSA-3	3
Bot 300	3	GSB 331	3	GSC-2	3
Micr 301	5	GSC-2	3	American History	3
Phsl 315 or 430	5	Bot 301	3	Bot 313	3
		Phsl 316 or 431	5	Micr 302	5
	<hr/> 16		<hr/> 17		<hr/> 17
<i>F o u r t h Y e a r</i>					
GSC-3	3	GSC-3	3	GSB-3	3
Electives	13-14	Electives	15-16	Electives	13-16
	<hr/> 16-17		<hr/> 18-19		<hr/> 16-19

* Registration for GSA 201 in freshman year is based on the student's having waived, obtained advanced standing, or passed a proficiency examination in GSA 101a,b,c. Other students will take chemistry (now listed for sophomore year) or GSA 101a,b,c and Chemistry 101b,c during the freshman year and GSA 201a,b,c in the sophomore year. In the latter instance, Zool 102 and 103 will be taken during the junior year.

BOTANY

COLLEGE OF LIBERAL ARTS AND SCIENCES

First Year					
FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a (waive)	0				
GSB-1	3	GSB-1	3	GSB-1	3
GSC-1	3	GSC-1	3	GSC-1	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD 108a or 114a	3	GSD 108b or 114b	3	GSE 201	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
GSA 101b	3	GSA 101c	3	Chem 350	4
Chem 101b	1	Chem 101c	1		
	17		17		18
Second Year					
GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB-2	3	GSB-2	3	GSB-2	3
GSC-2	3	GSC-2	3	GSC-2	3
GSD FL	3	GSD FL	3	GSD FL	3
USAF	1	USAF	1	USAF	0
Electives	4-5	Electives	4-5	Electives	4-5
	17-18		17-18		16-17
Third Year					
Bot 300	3	Bot 301	3	GSA 340	3
Bot 315	4	Bot 320	5	Bot 313	3
GS-3 ¹	6	GS-3 ¹	6	GS-3 ¹	3
Minor or Elective ² ..	3-4	Minor or Elective ² ..	3-4	Minor or Elective ² ..	6-7
	16-17		17-18		15-16

Fourth Year

Bot 341	3	Bot 400	4	Bot elective	4-5
Bot elective	4-5	Bot 449	3	Bot elective	4-5
Minor	4-5	Bot elective	4-5	Minor	4-5
Elective	3-4	Minor	4-5	Elective	3
14-17		15-17		15-18	

Recommended Electives: Physics, Chem 235-5, 306-4, 451-5, Math 220-4 or 410-4, 411-4, 412-4, Micr 301-5

¹GS is GSA, 3 hrs; GSB, 6 hrs; GSC, 6 hrs in the junior year.
²Majors in the College of Education will have to use the elective for the education courses required.

BUSINESS TEACHER EDUCATION

COLLEGE OF EDUCATION

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a	3	GSA 101b	3	GSA 101c	3
GSB 101b	3	GSB 101c	3	GSB 101a	3
GSC-1	3	GSC-1	3	GSC-1	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD 108a or 114a	3	GSD 108b or 114b	3	GSD 110	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
16		16		17	

Second Year

GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB 211a	3	GSB 211b	3	GSB 211c	3
GSC-2	3	GSC-2	3	GSC-2	3
GSB 201c	3	Mgt 170	4	Guid 305 or Psyc 303 ..	4
GSE 201	3				
Sec 241	1	Hist 201a	3	Hist 201b	3
USAF	0	USAF	1	USAF	0
16		17		16	

Third Year

GSA-3	3	GSA-3	3	GSC-3	3
GSB 311	3	GSB 331	3	SEd 310	4
Econ 214 or 215	3	GSC-3	3	Sec 341	4
Acct 251a	4	Acct 251b	4	Acct 251c	4
Mktg 225 or 230	3 or 5	Sec 304 ²	3		
16 or 18		16		15	

Fourth Year

Sec 324a ²	4	Sec 324b	4	Guid 420	4
Sec 403, 404, 405, 406, 408, or SEd 315 ³ ..	3 or 4	Sec 403, 404, 405, 406, 408 or SEd 315 ³ ..	3 or 4	SEd 351	12 or 16
Mgt 371	4	Mktg 331 or 337	4		
IM 417	4	Guid 422	3		
		SEd 440	3		
15 or 16		17 or 18		16	

¹This four-year program includes preparation for teaching typewriting, shorthand, transcription, bookkeeping, general business, and office machines. Students wishing to teach other business subjects should consult with their academic adviser or a representative of the Department of Secretarial and Business Education.
²Students who have not had elementary courses in typewriting and/or shorthand will need to take one or more of the following courses before taking Sec 304 or 324a: Sec 201a,b,c, 221a,b,c.
³A total of two methods courses is required.

CHEMISTRY (A.C.S. APPROVED) COLLEGE OF LIBERAL ARTS AND SCIENCES

<i>First Year</i>							
FALL	HOURS	WINTER	HOURS	SPRING	HOURS	SUMMER	HOURS
GSA 101a		GSA 101b		GSA 101c			
(waive)	0	(waive)	0	(waive)	0	GSC-1	3
GSB 101b	3	GSB 101c	3	GSB 101a	3		
GSD 101a	3	GSD 101b	3	GSD 103	3		
GSD 114a	3	GSD 114b		Math 150a	3		
		and 114c	6				
GSE PE	1	GSE PE	1	GSE PE	1		
FC 000	0	FC 000	0	FC 000	0		
USAF	0	USAF	0	USAF	1	Electives	+
Chem 111a	5	Chem 111b	5	Chem 111c	5	Chem 221	3
	15		18		18		6+

Second Year

GSC-1	3			GSC-1	3
Chem 341a	4	Chem 341b	5	Chem 341c	5
Math 150b	5	Math 252a	5	Math 252b	4
Physics 206a (211a) ..	5	Physics 206b (211b) ..	5	Physics 206c (211c) ..	5
USAF	1	USAF	1	USAF	0
	18		16		17

Third Year

		GSA 201a	3	GSA 201b	3
GSB-2	3			GSB-2	3
		GSC-2	3	GSC-2	3
GSD 126a	3	GSD 126b	3	GSD 126c	3
Math 305a	3	Math 305b	3		
Chem 461a	4	Chem 461b	4	Chem 461c	4
Chem 331	3				
	16		16		16

Fourth Year

GSA 201c or 200	3	GSA-3	3	GSA-3	3
GSB-2	3	GSB-3	3	GSB-3	3
GSC-2	3	GSC-3	3	GSC-3	3
				GSE 201	3
Chem 444 or 447	3	Chem 446	4		
Chem 411	3	Chem 432	4	Chem 433	4
Chem 490	2				
	17		17		16

NOTE:

The B.A. degree without A.C.S. approval can be obtained by following the above schedule. In this case Chem 460 can be substituted for Chem 461abc. Also there is a greater choice of chemistry courses during the senior year.

CHEMISTRY (TEACHING CERTIFICATE WITH A TEACHING MINOR IN PHYSICS)

COLLEGE OF LIBERAL ARTS AND SCIENCES

<i>First Year</i>							
FALL	HOURS	WINTER	HOURS	SPRING	HOURS	SUMMER	HOURS
GSA 101a (waive)		GSA 101b (waive)		GSA 101c (waive)			
GSB 101b	3	GSB 101c	3			GSB 101a	3
GSC-1	3	GSC-1	3	GSC-1	3	GSC 209 or 202	3
GSD 101a	3	GSD 101b	3	GSD 103	3		
GSD 114a	3	GSD 114b	3	GSD 114c	3		
GSE PE	1	GSE PE	1	GSE PE	1		
FC 000	0	FC 000	0	FC 000	0		
USAF	0	USAF	0	USAF	1	Electives	+
Chem 111a	5	Chem 111b	5	Chem 111c	5	Chem 221	3
	18		18		16		9+

Second Year											
FALL			WINTER			SPRING					
	HOURS			HOURS			HOURS			HOURS	
GSA 201c	3		GSA 201a	3		GSA 201c or 200	3				
GSC-2	3		GSC-2	3		GSB 211c	3				
USAF	1		USAF	1		GSD 126c	3				
Phys 206a	5		Phys 206b	5		Guid 305	4				
Chem 341a	4		Chem 341b	5		Chem 350	4				
	16			17			17				
Third Year											
GSA 201b	3		GSC-3	3							
GSB 211b	3		GSD 126b	3							
GSD 126a	3		Phys	5							
Phys	5		Chem 432	4							
Chem 331	3			15							
	17										
Fourth Year											
GSA 331	3		GSA-3	3		GSA-3	3				
SEd 310	3		GSB-3	3		GSE 201	3				
SEd 440	3		SEd 315	3		SEd 352	12				
Chem 460	5		Guidance 422	3							
Chem 490	2		IM 417	4							
	16			16			18				

NOTES:
The B.S. in Ed. degree with the 48-hour major is the same as above, but GSD 126abc can then be omitted.
The B.A. degree without the teaching certificate can be obtained by following the above schedule. In this case the courses in SEd, Guid, and IM can be substituted by electives.

CHEMISTRY

First Year					
FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1 (waive)	0	GSA-1 (waive)	0	GSA-1 (waive)	0
		GSB 101b	3		
GSC-1	3	GSC-1	3	GSC-1	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD 114a	3	GSD 114b	3	GSD 114c	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
Chem 111a	5	Chem 111b	5	Chem 111c	5
	15		18		16

Second Year					
FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSB 101a	3	GSB 211a	3	GSB 211b	3
GSC-2	3	GSB 201c	3	GSC 201 or 210	3
USAF	1	USAF	1	USAF	0
Chem 305a	4	Chem 305b	4	Chem 350	4
Math 150b	5	Math 252a	5	Math 320	3
	16		16	Guid 305	3
					16
Third Year					
GSA 201a	3	GSA 201b	3	GSA 201c or 200	3
GSB 211c	3	GSC-3	3	GSB 331	3
Phys 206a	5	Phys 206b	5	Phys 206c	5
Chem 331	3	SEd 310	4	Guid 422	4
Math 311	3	SEd 315	3		
	17		18		15

COLLEGE OF EDUCATION

First Year					
FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1 (waive)	0	GSA-1 (waive)	0	GSA-1 (waive)	0
		GSB 101b	3		
GSC-1	3	GSC-1	3	GSC-1	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD 114a	3	GSD 114b	3	GSD 114c	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
Chem 111a	5	Chem 111b	5	Chem 111c	5
	15		18		16
Second Year					
FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSB 101a	3	GSB 211a	3	GSB 211b	3
GSC-2	3	GSB 201c	3	GSC 201 or 210	3
USAF	1	USAF	1	USAF	0
Chem 305a	4	Chem 305b	4	Chem 350	4
Math 150b	5	Math 252a	5	Math 320	3
	16		16	Guid 305	3
					16
Third Year					
GSA 201a	3	GSA 201b	3	GSA 201c or 200	3
GSB 211c	3	GSC-3	3	GSB 331	3
Phys 206a	5	Phys 206b	5	Phys 206c	5
Chem 331	3	SEd 310	4	Guid 422	4
Math 311	3	SEd 315	3		
	17		18		15

Fourth Year					
GSA-3	3	GSA-3	3	SEd 352	12
GSC-3	3	GSB-3	3	SEd 440	3
Chem 460	5	GSE 201	3		
Phys	5	Phys 417	5		
	16		18		15

DESIGN

FALL	HOURS
GSB-1	3
GSC-1	3
GSD 101	3
GSD 114a	3
GSE PE	1
FC 000	0
USAF	0
Des 100	5
	18

GSA-1	3
GSB-2	3
GSC-2	3
USAF	1
Des 200	2
Des 215	4
Des 275	4
	20

GSA-2	3
GSE 201	3
Design 300	2
Design 366	5
Design 375	5
	18

GSA-3	3
Design 390	2
Design 400	2
Design 465F	5
Design 465G	5
	17

EARLY CHILDHOOD EDUCATION

FALL	HOURS
GSA 101a	3
GSB 101b	3
GSC 100 ¹	3
GSD 101a	3
GSE PE	1
FC 000	0
USAF	0
Mus 040	1
	14

WINTER	HOURS
GSB-1	3
GSC-1	3
GSD 102	3
GSD 114b	3
GSE PE	1
FC 000	0
USAF	0
Des 100	5
	18

GSA-1	3
GSB-2	3
GSC-2	3
USAF	1
Des 200	2
Des 215	4
Des 275	4
	20

GSA-2	3
GSB-3	3
Design 300	2
Design 366	5
Design 375	5
	18

GSA-3	3
GSC-3	3
Design 400	2
Design 465F	5
Design 465G	5
	18

WINTER	HOURS
GSA 101b	3
GSB 101c	3
GSC 101	3
GSD 101b	3
GSE PE	1
FC 000	0
USAF	0
Mus 040	1
	14

SCHOOL OF FINE ARTS

SPRING	HOURS
GSB-1	3
GSC-1	3
GSD 103	3
GSD 114c	3
GSE PE	1
FC 000	0
USAF	1
Des 100	5
	19

GSA-1	3
GSB-2	3
GSC-2	3
USAF	0
Des 200	2
Des 215	4
Des 275	4
	19

GSA-2	3
GSB-3	3
Design 300	2
Design 366	5
Design 375	5
	18

GSC-3	3
Design 400	2
Design 465F	5
Design 465G	5
	15

COLLEGE OF EDUCATION

SPRING	HOURS
GSA 101c	3
GSB 101a	3
GSC 103	3
GSD 103	3
GSE PE	1
FC 000	0
USAF	1
Mus 040	1
	15

Second Year					
GSA 201a	3	GSA 201b	3	GSA 201c or 200	3
GSB 201a	3	GSB 201c	3	GSB 201b	3
GSC 209, 202, or 203 ..	3	GSC 204, 205, or 206 ..	3	GSC 201, 207, 208, or 210	3
GSD 108a ²	3	GSD 108b	3	GSD 108c	3
GSE 201	3	Eng 391	3	Guid 305	4
USAF	1	USAF	1	USAF	0
	16		16		16
Third Year					
GSA-3	3	GSA-3	3	IEd 302	4
GSB-3 ³	3	GSB-3	3	Govt 300	4
GSC-3	3	GSC-3	3	IEd 337	4
IEd 316	4	IEd 309	3	PEW 319	4
Math 210	4	Mus 300b	3		
	17		15		16
Fourth Year					
IEd 350B or American History	3	IEd 350B or American History	3	IEd 350B or Electives	
EdAd 355	4	IM 417	4		
Guid 422	4	Electives	8		
Art 300	4				
	15		15		

¹ Both GSC 100 and 101 are required of early-childhood majors.
² Foreign language may be elected instead of math, but six hours of math are required for certification.
³ GSB 331 should be elected by those who have not had Ed Ad 100.

ECONOMICS				SCHOOL OF BUSINESS			
<i>First Year</i>							
FALL	HOURS	WINTER	HOURS	SPRING	HOURS		
GSA 101a	3	GSA 101b	3	GSA 101c	3		
GSB 101b	3	GSB 101c	3	GSB 101a	3		
GSC-1	3	GSC-1	3	GSC-1	3		
GSD 108a or 114a	3	GSD 108b or 114b	3	GSD 110	3		
GSD 101a	3	GSD 101b	3	GSD 103	3		
GSE PE	1	GSE PE	1	GSE PE	1		
FC 000	0	FC 000	0	FC 000	0		
USAF	0	USAF	0	USAF	1		
	16		16		17		
<i>Second Year</i>							
GSA-2	3	GSA-2	3	GSA-2	3		
GSB 211a	3	GSB-2	3	GSB-2	3		
GSC-2	3	GSC-2	3	GSC-2	3		
GSE 201	3	Econ 214	3	Econ 215	3		
Acct 251a	4	Acct 251b	4	Acct 251c	4		
USAF	1	USAF	1	USAF	0		
	17		17		16		
<i>Third Year</i>							
GSA-3	3	GSA-3	3	Econ 330	4		
GSB 311 or *	3	GSB 312 or *	3	Econ 440	4		
GSC-3	3	GSC-3	3	Mgt 481	3		
Econ 310	4	Econ 315	4	Mgt 320	5		
Mktg 225	3	Mgt 340	4				
	16		17		16		

Fourth Year

Econ 441		Econ *		Econ or Elective *
Econ *		Econ or Elective *		Elective
Mgt 371	4	Mktg 325	4	Elective
Elective		Elective		Elective

* Every major shall take two courses from Group I and two courses from Group II below:

Group I: Econ 408, 416, 429, 432, 450, 470, Math 456.

Group II: (GSB 311 or Econ 317), (GSB 312 or Econ 481), Econ 307, 411, 431.

ECONOMICS

COLLEGE OF LIBERAL ARTS AND SCIENCES

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a	3	GSA 101b	3	GSA 101c	3
GSB 101b	3	GSB 101c	3	GSB 101a	3
GSC-1	3	GSC-1	3	GSC-1	3
GSD 108a or 114a	3	GSD 108b or 114b	3	GSD 110	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
	16		16		17

Second Year

GSA-2	3	GSA-2	3	GSA-2	3
GSB 211a	3	GSB-2	3	GSB-2	3
GSC-2	3	GSC-2	3	GSC-2	3
GSE 201	3	Econ 214	3	Econ 215	3
Elective		Elective		Elective	
USAF	1	USAF	1	USAF	0

Third Year

GSA-3	3	GSA-3	3	Econ 330	4
GSB 311 or *	3	GSB 312 or *	3	Econ 440	4
GSC-3	3	GSC-3	3	Elective	3
Econ 310	4	Econ 315	4	Elective	5
Elective		Elective			

Fourth Year

Econ 441	4	Econ *		Econ or Elective *
Econ *		Econ or Elective *		Elective
Elective		Elective		Elective
Elective		Elective		Elective

* Every major shall take two courses from Group I and two courses from Group II below:

Group I: Econ 408, 416, 429, 432, 450, 470, Math 456.

Group II: (GSB 311 or Econ 317), (GSB 312 or Econ 481), Econ 307, 411, 431.

Minors are required to take only four of the following indicated requirements:

Econ 310, 315, 330, 440, or 441.

ELEMENTARY EDUCATION

COLLEGE OF EDUCATION

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a	3	GSA 101b	3	GSA 101c	3
GSB 101b	3	GSB 101c	3	GSB 101a	3
GSC 100 ¹	3	GSC 101	3	GSC 103	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
Elective ²	3	Elective	3	Elective	3
	16		16		17

Second Year					
GSA 201a	3	GSA 201b	3	GSA 201c or 200	3
GSB 201a	3	GSB 201c	3	GSB 201b	3
GSC 209, 202, or 203	3	GSC 204, 205, or 206	3	GSC 207, 208, 201, or 210	3
GSD 108a ³	3	GSD 108b	3	GSD 108c	3
GSE 201	3	American History	3	Guid 305	4
USAF	1	USAF	1	USAF	0
	16		16		16
Third Year					
GSA-3	3	GSA-3	3	Math 210	4
GSB-3 ⁴	3	GSB-3	3	PEW 319	4
GSC-3	3	GSC-3	3	Govt 300	4
EIEd 314	4	Eng 391	3	Ed Ad 355	4
American History	3	EIEd 337	4		
	16		16		16
Fourth Year					
EIEd 351b or IM 417	4	EIEd 351b or Electives	16	EIEd 351b or Electives	16
Guid 422	4				
Electives	8				
	16		16		16

¹ Both GSC 100 and 101 are required of elementary education majors.
² EIEd 100 recommended elective during first year.
³ One year of foreign language may be elected instead of the math sequence, but six hours of math are required for certification.
⁴ GSB 331 should be elected by those who have not had Ed Ad 100

ENGINEERING TECHNOLOGY

SCHOOL OF TECHNOLOGY

First Year					
FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a	3	GSA 101b	3	GSA 101c	3
GSB 101b	3	GSB 101c	3	GSB 101a	3
GSD 101a	3	GSD 101b	3	GSD 103	3
FC 000	0	FC 000	0	FC 000	0
USAF 100a	0	USAF 100a	0	USAF 100a	0
				USAF 110	1
ET 101a	3	ET 101b	3	ET 101c	3
Math 150a ¹	5	Math 150b	5	Math 251a	5
	17		17		18
Second Year					
GSA 201a	3	GSA 201b	3	GSA 201c or 200	3
GSB-2	3	GSB-2	3	GSB-2	3
GSE PE	1	GSE PE	1	GSE PE	1
USAF 210	1	USAF 220	1		
USAF 200a	0	USAF 200a	0	USAF 200a	0
ET 204a	3	ET 204b	3	ET 204c	3
ET 260a	3	ET 260b	3	ET 260c	3
Tech 300a	3	Tech 300b	3	Tech 300c	3
	17		17		16
Third Year					
GSB-3	3	GSC-2	3	GSA-3	3
GSC-2	3	GSE 201	3	GSB-3	3
ET 300a	3	ET 300b	3	GSC-2	3
ET 311a	3	ET 311b	3	ET 311c	3
ET electives ²	6	ET electives	6	ET electives	6
	18		18		18

Fourth Year					
GSA-3	3	GSC-3	3	GSC-3	3
ET 318a	3	ET 318b	3	ET electives	12
ET 361	4	ET electives	11		
ET electives	6				
	16		17		15

GSC-1, 9 hours missing.
¹ GSD 114a,b,c may be bypassed by waiver, advanced standing, or proficiency examination.
² Specific courses are needed to fulfill the elective area requirements. Guidance and recommendations in the selection of the necessary courses for the various elective areas may be made with a School of Technology adviser.

ENGLISH COLLEGE OF EDUCATION OR LIBERAL ARTS AND SCIENCES

First Year					
FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1	3	GSA-1	3	GSA-1	3
GSB-1	3	GSB-1	3	GSB-1	3
GSC-1	3	GSC-1	3	GSC-1	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD FL	3	GSD FL	3	GSD FL	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
	16		16		17

Second Year					
GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB-2	3	GSB-2	3	GSB-2	3
GSC 202	3	GSC-2	3	GSC 201 or 210	3
GSE 201	3				
USAF	1	USAF	1	USAF	0
Electives ¹	3	Electives ¹	6	Electives ¹	6-7
	16		16		15-16

Third Year					
GSC-3	3	GSC-3	3	GSA-3	3
Eng 302a	4	Eng 302b	4	Eng 302c	4
Completion of series: 300, 309, 390					
GSC-3: GSC 301, 313, 321, 335, 365, 340					
Electives: Eng 392, 492, 493, Phil 360.					

Fourth Year					
GSA-3	3	GSB-3	3	GSB-3	3
One course in drama: 460a, 460b, 460c, 460d, 464, 468, 471a, 471b					
One course in poetry: 404a, 404b, 421a, 421b, 421c, 421d, 420a, 420b, 473					
One course in fiction: 454a, 454b, 454c, 456, 458a, 458b					
These three courses in literary forms should each be selected from a different historical period.					
Medieval		404a, 404b			
Renaissance		460a, 460b, 471a, 471b			
17-18		454a, 460c, 473			
19		420a, 421a, 421b, 421c, 454b, 458a			
20		420b, 421d, 454c, 456, 458b, 460d, 464, 468			

English 485 for students who plan student teaching in English. This course satisfies the methods requirements in the Education curriculum, replacing Education 315. Electives in types, periods, criticism, linguistics, semantics, as needed to total at least 48 hours in English beyond the freshman level.
¹ Recommended as electives toward the major, beginning third-level work with: English 300, 390; foreign language on the 200 level; courses in the minor, in education, mathematics, philosophy, science.

FOREIGN LANGUAGE

		<i>First Year</i>	
FALL	HOURS	WINTER	HOURS
GSA-1	3	GSA-1	3
GSB-1	3	GSB-1	3
GSC-1	3	GSC-1	3
GSD 101a	3	GSD 101b	3
GSD FL	3	GSD FL	3
GSE PE	1	GSE PE	1
FC 000	0	FC 000	0
USAF	0	USAF	0
	16		16
		<i>Second Year</i>	
GSA-2	3	GSA-2	3
GSB-2	3	GSB-2	3
GSC-2	3	GSC-2	3
GSE 201	3	Elective	3
USAF	1	USAF	1
FL	3-5	FL	3-5
	16-18		16-18
		<i>Third Year</i>	
GSA-3	3	GSA-3	3
GSB-3	3	GSB 331	3
GSC-3	3	GSC-3	3
FL	3-5	FL	3-5
GSD Math	3	GSD Math	3
American History	3	GSB 201c or 211b ¹	3
	18-20		18-20
		<i>Fourth Year</i>	
FL	3-6	FL	3-6
Minor	7	Minor	9
Guid 422	4	Eng 391 ²	3
SEd 310	4	SEd 315	3
	18-21		18-21

COLLEGE OF EDUCATION

SPRING	HOURS
GSA-1	3
GSB-1	3
GSC-1	3
GSD 103	3
GSD FL	3
GSE PE	1
FC 000	0
USAF	1
	<hr/>
	17
GSA-2	3
GSB-2	3
GSC-2	3
Elective	3
USAF	0
FL	3-5
	<hr/>
	15-17
FL	3-5
Minor	8
Guidance 305	4
IM 417	4
	<hr/>
	19-21

¹ GSB 211b or 201c, whichever one student has omitted in the GSB-2 sequence.
² or Eng 300, or waiver, via proficiency test.
Note: A 36-hour major requires two minors; a 48-hour major, one. If a student enters without two years of his major foreign language in high school, he will probably have to attend some summers in order to acquire hours in his major and minors.

FOREIGN LANGUAGE

		<i>First Year</i>	
FALL	HOURS	WINTER	HOURS
GSA-1	3	GSA-1	3
GSB-1	3	GSB-1	3
GSC-1	3	GSC-1	3
GSD 101a	3	GSD 101b	3
GSD FL	3	GSD FL	3
GSE PE	1	GSE PE	1
FC 000	0	FC 000	0
USAF	0	USAF	0
	16		16

COLLEGE OF LIBERAL ARTS AND SCIENCES

SPRING	HOURS
GSA-1	3
GSB-1	3
GSC-1	3
GSD 103	3
GSD FL	3
GSE PE	1
FC 000	0
USAF	1
	17

Second Year

GSA-2	3
GSB-2	3
GSC-2	3
GSE 201	3
USAF	1
FL	3-5
<hr/>	
16-18	

GSA-2	3
GSB-2	3
GSC-2	3
Elective	3
USAF	1
FL	3-5
<hr/>	
16-18	

GSA-2	3
GSB-2	3
GSC-2	3
Elective	3
USAF	0
FL	3-5
<hr/>	
15-17	

Third Year

GSA-3	3
GSB-3	3
GSC-3	3
FL	3-5
Minor	4
<hr/>	
16-18	

GSA-3	3
GSB-3	3
GSC-3	3
FL	3-5
Minor	4
<hr/>	
16-18	

FL	3-5
Minor	4
Elective	9
<hr/>	
16-18	

Fourth Year

FL	4-8
Minor	4
Elective	8
<hr/>	
16-20	

FL	4-8
Minor	4
Elective	8
<hr/>	
16-20	

FL	4-8
Minor	4
Elective	8
<hr/>	
16-20	

Major is 42 hours, exclusive of GSD FL courses.

A 48-hour major is available.

FORESTRY

FALL	HOURS
GSA 101a	3
GSB 101a	3
GSD 101a	3
GSD 114a ¹	3
GSE 101 ²	3
For 104	3
FC 000	0
USAF	0
<hr/>	
16	

GSA 201a	3
GSB 211a	3
GSC 103	3
<hr/>	
USAF	1
AgI 303	4
For	4
<hr/>	
18	

GSA 340	3
GSC-2	3
For	7
Geol 220	5
<hr/>	
18	

First Year

WINTER	HOURS
GSA 101b	3
GSB 101b	3
GSC 101	3
GSD 101b	3
GSD 114b	3
GSE PE	1
AgI 214	2
FC 000	0
USAF	0
<hr/>	
18	

Second Year

GSA 201b	3
GSB 211b	3
<hr/>	
GSD 110	3
<hr/>	
USAF	1
PII 301F	4
For	4
<hr/>	
18	

Third Year

GSB-3	3
GSC-2	3
For	12
<hr/>	
18	

SCHOOL OF AGRICULTURE

SPRING	HOURS
GSA 101c	3
GSB 101c	3
GSC 102	3
GSD 103	3
GSD 114c	3
GSE PE	1
FC 000	0
USAF	1
<hr/>	
17	

GSA 201c	3
GSB 211c	3
GSC-2	3
GSE 201	3
Bot 320	5
<hr/>	
17	

Forestry Spring Camp	18
<hr/>	
18	

Fourth Year

GSA-3	3				
GSB-3	3				
GSC-3	3	GSC-3	3		
For	7	For	8	For	3
		AgI 471	4	Bot (elective)	4
				Zool (elective)	8
	16		15		15

¹ If Math 106 is required, delay GSA 101 until following quarter.
² Non-swimmers should take beginning and intermediate swimming; fair swimmers should take intermediate swimming.

GENERAL SCIENCE AND MATHEMATICS IN JUNIOR HIGH

COLLEGE OF EDUCATION

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a	3	GSA 101b	3	GSA 101c	3
GSB 101a	3	GSB 101b	3	GSB 101c	3
GSC-1	3	GSC-1	3	GSC-1	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD 114a	3	GSD 114b	3	GSD 114c	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
	16		16		17

Second Year

GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB 211a	3	GSB 211b	3	GSB 211c	3
GSC-2	3	GSC-2	3	GSC-2	3
GSE 201	3	GSB 201c	3	Eng 391 or 300	3-4
USAF	1	USAF	1	USAF	0
Math 150a	5	Math 150b	5	Math 252a	5
	18		18		17-18

Third and Fourth Years

Consult Dr. Claude Dykhouse, College of Education, Academic Advisement.

GEOGRAPHY

COLLEGE OF LIBERAL ARTS AND SCIENCES

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a	3	GSA 101b	3	GSA 101c	3
GSB 101b	3	GSB 101c	3	GSB 101a	3
GSC-1	3	GSC-1	3	GSC-1	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD FL ¹	3	GSD FL	3	GSD FL	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
	16		16		17

Second Year

GSA 200 ²	3	GSA 201a	3	GSA 201b	3
GSB-2	3	GSB-2	3	GSB-2	3
GSC-2	3	GSC-2	3	GSC-2	3
GSE 201	3	GSD 108a or 114a	3	GSD 108b or 114b	3
USAF	1	USAF	1	USAF	0
Geog 302	4	Geog 304	4	Geog 306	4
	17		17		16

Third Year

GSA-3	3	GSA-3	3	Geog 4-a	4
GSB-3	3	GSB-3	3	Minor 4	4
GSC-3	3	GSC-3	3	Minor	4
Geog 308	3	Geog 310b	3	Elective	4
Geog 310a	3	Minor	4		
	15		16		16

Fourth Year

Geog 4-b	3	Geog 4-a	3	Geog 4-b	3
Geog 490a	1	Geog 490b	1	Geog 490c	1
Minor	4	Minor	4	Minor	4
Geog 4-a	4	Elective	4	Elective	4
Elective	4	Elective	4	Elective	4
	16		16		16

¹ Preferably French, German or Russian² GSA 200 is required for the major³ Student should work out major program with departmental adviser, who will also suggest third level General Studies courses.

GEOLOGY

COLLEGE OF LIBERAL ARTS AND SCIENCES

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1 (waive)	0	GSA-1 (waive)	0	GSA-1 (waive)	0
GSB 101b	3	GSB 101c	3	GSB 101a	3
GSC-1	3	GSC-1	3	GSC-1	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD 114a	3	GSD 114b	3	GSD 114c	3
GSD (FL)	3-4	GSD (FL)	3-4	GSD (FL)	3-4
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
	16-17		16-17		16-17

Second Year

GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB-2	3	GSB-2	3	GSB-2	3
				GSC-2	3
USAF	1	USAF	1	USAF	0
Chem 111a	5	Chem 111b	5	Chem 111b	5
Geol 220	5	Geol 221	5	Geol 302	4
	17		17		18

Third Year

GSB-3	3	GSA-3	3	GSA-3	3
GSC-2	3	GSB-3	3	GSC-3	3
Geol 310	4	GSC-2	3	Geol Elective	4
Geol 431	4	Geol Elective	4	Elective	6-7
Elective	3-4	Elective	3-4		
	17-18		16-17		16-17

SUMMER	HOURS
Geol 450	9

Fourth Year

GSC 3	3	Geol 405	4	Geol Elec	4
GSE 201	3	Phys 206c or 211c	5	Phys 206b or 211b	5
Geol 425	5	Elective	9	Elective	9
Phys 206a or 211a	5				
	16		18		18

NOTES:

The undergraduate major in geology gives basic preparation for graduate training in

all the areas of professional specialization such as: areal geology, structure, stratigraphy, sedimentation, paleontology, mineralogy and crystallography, geomorphology, and allied areas of geophysics, geochemistry, oceanography, and engineering geology. Each area of specialization requires appropriate supporting courses. Appropriate undergraduate major programs may be arranged directed toward the areas of: Earth Science Teaching, Geology in (Engineering) Applied Science, Conservation, Recreation and Outdoor Education, and Business. A minor should be initiated in the junior year; recommended fields are chemistry, physics, zoology or botany, and mathematics. Chem 111a,b,c is substitution for waiver of GSA-1. Math 106-0 will be required for students unprepared for Math 114. The foreign language must be German, Russian, or French.

GOVERNMENT

COLLEGE OF LIBERAL ARTS AND SCIENCES

First Year		
FALL	HOURS	WINTER
GSA 101a	3	GSA 101b
GSB 101b	3	GSB 101c
GSC-1	3	GSC-1
GSD 101a	3	GSD 101b
GSD 108a or FL	3	GSD 108b or FL
GSE PE	1	GSE PE
FC 000	0	FC 000
USAF	0	USAF
	16	16
Second Year		
GSA 201a	3	GSA 201c
GSB 201a ¹ , 211a ² , or 211b	3	GSB 201c ¹ , 211b or 211a ²
GSC-2	3	GSC-2
GSD Math or FL	3	GSD Math or FL
USAF	1	USAF
Govt 231 ¹ or History 201a ²	3-5	Govt 232 ¹ or History 201b ²
	16-18	16-18
Third Year		
GSA-3	3	GSA-3
GSB-3	3	GSB-3
GSC-3	3	GSC-3
GSE 201	3	
Govt	5	Govt
	17	Minor
		17
Fourth Year		
Govt	8	Govt
Minor	6	Minor
Elective	3	Elective
	17	17
		17

SPRING	HOURS
GSA 101c	3
GSB 101a	3
GSC-1	3
GSD 103	3
GSD 108c or FL	3
GSE PE	1
FC 000	0
USAF	1
	17

GSA 201b	3
GSB 201b ¹ or 211c ²	3
GSC-2	3
GSD Math or FL	3
USAF	0
Hist 201a ¹ or Govt 232 ² (or Govt 243 & 330)	3-5
	15-17

Elective	5
Govt	7
Minor	5
	17

¹ One who takes GSB 201a,b,c, should also take Govt 231, 232, Hist 201a.

² One who takes GSB 211a,b,c, should also take Hist 201a, 201b, Govt 232.

HEALTH EDUCATION (ELEMENTARY)

COLLEGE OF EDUCATION

Students majoring in the Special Certificate Program in health education should follow the Elementary Education program in the College of Education. In addition, they must complete the 48-hour major in health education as follows: GSE 201-3, HED 205-4, 300-3, 311 or 312-4, 313s-4, 334s-4, 350-4, 355-4, 400-4, 490-6, plus 8 hours in health education.

HEALTH EDUCATION (SECONDARY, WITH 30 HOURS MINOR)

COLLEGE OF EDUCATION

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1	3	GSA-1	3	GSA-1	3
GSB-1	3	GSB-1	3	GSB-1	3
GSC-1	3	GSC-1	3	GSC-1	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSE-1	1	GSE-1	1	GSE-1	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
Elective	3	Elective	3	GSE 201	3
	16		16		17

Second Year

GSA-2	3	GSA-2	3	GSA-2	3
GSB-2	3	GSB-2	3	GSB-2	3
GSC-2	3	GSC-2	3	GSC-2	3
GSD Math	3	GSD Math	3	GSD Math	3
HEd 205	4	HEd 311 or 312	4	HEd 300 or 334s	4
USAF	1	USAF	1	USAF	0
	17		17	Minor	2-3
					17-18

Third Year

GSA-3	3	GSA-3	3	Minor	3-4
GSB-3	3	GSB-3	3	GSC-3	3
Guid 305	4	GSC-3	3	Guid 422	3
HEd 300 or 334s	3-4	SEd 310	4	HEd 460	4
HEd 313s	4	HEd 355	4	HEd 471	4
	17-18		17		17-18

Fourth Year

Minor	4-8	Minor	8-10	Student Teaching	12
HEd Elective	4	IM 417	4	SEd 440	4
HEd 490	4-8	HEd 400	4		16
	16-18		18		

HEALTH SCIENCE

COLLEGE OF LIBERAL ARTS AND SCIENCES

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a (waive)	0	GSA 101b (waive)	0	GSA 101c (waive)	0
GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB 101a	3	GSB 101b	3	GSB 101c	3
GSC 100 or 101	3	GSC 102	3	GSC 103	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD 108a	3	GSD 108b	3	GSD 108c	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
	16		16		17

Second Year

GSB 211a	3	GSB 201c	3	GSB 201b	3
		GSB 211b	3	GSB 211c	3
GSC-2	3	GSC-2	3	GSC-2	3
GSD FL	3	GSD FL	3	GSD FL	3
GSE 201	3				
USAF	1	USAF	1	USAF	0
Zool 102	5	Zool 103	5	Phsl 209	5
	18		18		17

Third Year					
GSA 101b	3	GSA 101c	3	GSA-3	3
GSB-3	3	GSA-3	3	GSC-3	3
GSC-3	3	GSB-3	3	Psyc 305	4
GSC-3	3			Chem 350	4
Chem 101b	1	Chem 101c	1	HEd 300	3
HEd 325	3	Govt 232	5		17
	16		15		
Fourth Year					
Psyc 307	4	Psyc 432	4	Electives	11-12
Govt 360	5	Govt 440	3	HEd 356	5
Soc 335	4	Soc 336	4		16-17
HEd 355	4	Micr 301 or 101	5		
	17		16		

NOTES:
Phsl 315 may be substituted for advanced students. Requirements for health science major: HEd 300, 325, 355, 356; Micr 201 or 301; Chem 112, 113, or 110, 240, 350; Math 111, 112, 220; Phsl 209, or 315; Zool 102, 103, or 316; Psyc 304, 307, 412, Soc 311, 316; Govt 232, 360, 466.
Elective and required courses must include 64 hours of senior-college credit.
Recommended electives: Ag 231, 303, Geog 310; Geol 220; HEd 101; Micr 442, 423; Govt 466; Phsl 317, 433, 401; Phys 206, 207, 208; Zool 310, 316, 320, 321, 401, 407.
*If any General Studies courses are passed by proficiency exam, it is suggested that the student take the Chemistry sequence at the earliest time possible.

HISTORY COLLEGE OF EDUCATION OR LIBERAL ARTS AND SCIENCES

First Year					
FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1	3	GSA-1	3	GSA-1	3
GSB-1	3	GSB-1	3	GSB-1	3
GSC-1	3	GSC-1	3	GSC-1	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD FL	3	GSD FL	3	GSD FL	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
	16		16		17
Second Year					
GSA-2	3	GSA-2	3	GSA-2	3
GSB-2	3	GSB-2	3	GSB-2	3
GSC-2	3	GSC-2	3	GSC-2	3
GSE 201	3				
USAF	1	USAF	1	USAF	0
Hist 201a	3	Hist 201b	3	Hist 201c	3
	16	Hist elective	3	Hist elective	3
			16		15
Third and Fourth Years					
GSA-3	3	GSA-3	3	GSB-3	3
GSB-3	3	GSC-3	3	GSC-3	3

There is considerable variation in the requirements for a history major, depending upon the interest of the student. Prospective majors should consult with Professor George Adams, chairman of the department, Old Main 212.

HOME ECONOMICS (APPAREL DESIGN)

SCHOOL OF HOME ECONOMICS

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSB-1	3	GSB-1	3	GSB-1	3
GSC 101	3	GSC 102	3	GSC 103	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
C&T 131	3	C&T 127	4	C&T 231 (Sp alt yrs) ..	3
Elective ¹	3	C&T 135	3	H&F 227	3
	<hr/> 16		<hr/> 17		<hr/> 16

Second Year

GSA 101a	3	GSA 101b	3	GSA 101c	3
GSB 201a	3	Chem 101b ³	1	Chem 101c ³	1
GSC 209, 202, 203	3	GSB 201c	3	GSB 201b	3
F&N-3 ²	5	GSC 204 or 205	3	GSC 207	3
H&F 237	3	GSE 201	3	Art 241	4
		C&T 323 (W&Sp)	2	C&T 233	3
		C&T 327 (W&Sp)	3		
	<hr/> 17		<hr/> 18		<hr/> 17

Third Year

GSA 201a	3	GSA 201b	3	GSC-3	3
GSB-3	3	GSC-3	3	GSD 108c or 123c	3
GSD 108a or 123a	3	GSD 108b or 123b	3	C&T 364 (Sp alt yrs) ..	3
C&T 300	2-4	C&T 322 (W alt yrs) ..	3	HEED 306	2
C&T 360 (F&W)	4	C&T 334 (W alt yrs) ..	3	H&F 341	4
	<hr/> 15-17		<hr/> 15		<hr/> 15

Fourth Year

GSA 201c	3	GSA-3	3	GSA-3	3
GSB-3	3	Art Hist	3-4	C&T 371 ⁴	6
C&T 339 (F alt yrs)	3	C&T 329 (W alt yrs) ..	3	C&T 433 (Sp alt yrs) ..	4
Electives	7	C&T 331 (W alt yrs) ..	3	Electives	3
		C&T 434 (W alt yrs) ..	4		
	<hr/> 16		<hr/> 16-17		<hr/> 16

¹ HEED 111, particularly if student is in doubt about his major; or GSD 108 or GSD 123 sequence may be selected at this time instead of Jr. year; or other required or elective courses.

² Recommended courses pending.

³ Lab to accompany GSA 101b,c

⁴ Field experience to be arranged between junior and senior years or between sophomore and junior years if qualified.

HOME ECONOMICS (CLOTHING AND TEXTILES MERCHANDISING)

SCHOOL OF HOME ECONOMICS

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSB 101b	3	GSB 101c	3	GSB 101a	3
GSC 101	3	GSC 102	3	GSC 103	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSE-1	1	GSE-1	1	GSE-1	1
FC 000	0	FC 000	0	FC 000	0
C&T 131	3	C&T 127	4	C&T 231 (Sp Alt yrs) ..	3
Elective ¹	3	C&T 135	3	C&T 331 (Alt yrs)	3
	<hr/> 16		<hr/> 17	H&F 227	3
					<hr/> 16

Second Year

GSA 101a	3	GSA 101b	3	GSA 101c	3
GSB 201a	3	Chem 101b ³	1	Chem 101c ³	1
GSC 209, 202, 203	3	GSB 201c	3	GSB 201b	3
H&F 237	3	GSC 204 or 205	3	GSC 207	3
Mktg 230	5	Acct 250	4	GSE 201	3
	17	C&T 300	2-4	C&T 233 (Sp and F)	3
			16-18		16

Third Year

GSA 201a	3	GSA 201b	3	GSA 201c	3
GSD 108a or 123a	3	GSB-3	3	GSC-3	3
F&N 3 ²	5	GSD 108b or 123b	3	GSD 108c or 123c	3
Jrnl 370 or Mktg 333	3-4	C&T 334 (Alt yrs) or		C&T 323 (W and S)	2
		C&T 434 (Alt yrs)	3-4	HEEd 306	2
		Mktg 332	4	Mktg 337	4
	14-15		16-17		17

Fourth Year

GSA-3	3	GSA-3	3	C&T 364 (Alt yrs)	3
GSB-3	3	C&T 322 (Alt yrs)	3	C&T 371 ⁴	6
GSC-3	3	C&T 329 (Alt yrs)	3	Electives	8
C&T 339 (Alt yrs)	3	C&T 327 (W and S)	3		
C&T 360 (F and W)	4	H&F 341	4		
	16		16		17

¹HEEd 111, particularly if student is in doubt about his major; or GSD 108 or GSD 123 may be selected at this time instead of junior year; or other required or elective courses.

²Recommended courses pending.

³Lab to accompany GSA 102, 103

⁴Field experience to be arranged between junior and senior years. Between sophomore and junior years if qualified.

Suggested Electives:

Art 385; C&T 251, 474; HEEd 111; H&F 324, 333 or 331, and 332; Photography

HOME ECONOMICS (DIETETICS) SCHOOL OF HOME ECONOMICS

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a	3	GSA 101b		GSA 101c	
		and Chem 101b	4	and Chem 101c	4
GSC 101	3	GSC 102	3	GSB 101b	3
GSD 101a	3	GSD 101b	3	GSC 103	3
GSD 108a	3	GSD 108b	3	GSD 103	3
GSE PE	1	GSE PE	1	GSD 108c	3
FC 000	0	FC 000	0	GSE PE	1
F&N 105	4	H&F 227	3	FC 000	0
	17		17		17

Second Year

GSA 201a	3		GSA 201b ¹	3	
GSA 301	4				
GSB 101c	3	GSB 101a	3	GSB 211b	3
GSC 209, 202, or 203 ..	3	GSC 204 or 205	3	GSC 207, 208, or 201 ..	3
				GSE 201 ¹	3
		H&F 237	3	Chem 350	4
		Acct 250	4		
C&T 251	3	F&N 206	4		
	<u>16</u>		<u>17</u>		<u>16</u>

Third Year

GSC 386	3	GSB 211a	3	GSA 201c ¹	3
F&N 335	4	GSC 387	3	GSB 211c	3
F&N 350	3	F&N 320	4	F&N 355	3
F&N 351	3	F&N 352a	4	HEEd 307	3
Micr 301	5	Guid 305	4	Psyc 320	4
	18		18		16

Fourth Year

F&N 340	4	GSB-3	3	GSA 302	3
F&N 352b	4	H&F 341	4	GSB 303, 312, or 314	3
F&N 356	4	H&F 332	4	F&N 359	4
H&F 331	3	Micr 422	5	Electives	5
	15		16		13-18

¹ Recommended trying the proficiency examination.

Recommended Electives: C&T 131, 323, 327; F&N 321, 356; Mgt 271, 371, 382, 385, 485; Psyc 323.

HOME ECONOMICS (FOODS IN BUSINESS)

SCHOOL OF HOME ECONOMICS

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a	3	GSA 101b and Chem 101b	4	GSA 101c and Chem 101c	4
GSC 101	3	GSC 102	3	GSB 101b	3
GSD 101a	3	GSD 101b	3	GSC 103	3
GSD 108a	3	GSD 108b	3	GSD 103	3
FC 000	0	GSE PE	1	GSD 108c	3
F&N 105	4	FC 000	0	GSE PE	1
HEEd 111	2	H&F 227	3	FC 000	0
	18		17		17

Second Year

GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB 101c	3	GSB 101a	3	GSB 211c	3
GSB 211a	3	GSB 211b	3	GSC 207, 208, or 201	3
GSC 209, 202, or 203	3	GSC 204, or 205	3	Chem 350	4
H&F 237	3	F&N 206	4	R-T 161	4
C&T 251	3				17
	18		16		

Third Year

GSA 301	4	F&N 321	3	GSE PE	1
F&N 356	4	H&F 341	4	F&N 320	4
H&F 331	3	Mktg 230	5	H&F 324	2
Micr 301	5	Acct 250	4	Mktg 337	4
	16		16	C&T 323	2
				Jrnl 393	3
					16

Fourth Year		
GSB 311	3	
GSC 342 or 386	3	
F&N 335	4	
F&N 352	4	
Mktg 333	4	
	18	
GSA 302	3	
GSC 348 or 387	3	
GSE 201 ²	3	
H&F 332	4	
Electives 3	3	
	16	
GSB 303, 312, or 314 ..	3	
C&T 327	3	
H&F 424	4	
Electives	6	
	16	

² Students are encouraged to take the proficiency examination for GSE 251, fall term of senior year.
Recommended Electives: Guid 305; Jrnl 331; Mgt 271, 384, 385; Phsl 209; Psyc 323, 410; SED 102, 311; Spch 102; R-T 256.

HOME ECONOMICS (HOME ADVISERS)

SCHOOL OF HOME ECONOMICS

First Year		
FALL	HOURS	
GSB 201a	3	
GSC 101	3	
GSD 101a	3	
GSE PE	1	
FC 000	0	
F&N 105	4	
HEEd 111	2	
	16	
WINTER	HOURS	
GSB 201c	3	
GSC 102	3	
GSD 101b	3	
GSE PE	1	
FC 000	0	
C&T 127	4	
H&F 227	3	
	17	
SPRING	HOURS	
GSB 201b	3	
GSC 103	3	
GSD 103	3	
GSE PE	1	
FC 000	0	
C&T 131	3	
H&F 237	3	
	16	

Second Year		
GSA 101a	3	
GSB 211a	3	
GSC 209, 202, or 203 ..	3	
GSD 108a	3	
GSE 201	3	
	15	
GSA 101b	3	
GSB 211b	3	
GSC 204, 205, or 206 ..	3	
GSD 108b	3	
F&N 206	4	
	16	
GSA 101c	3	
GSB 211c	3	
GSC 207, 201, or 210 ..	3	
GSD 108c	3	
C&T 233	3	
	15	

Third Year		
GSA 201a	3	
GSB 301	3	
C&T 135	3	
H&F 331	3	
R-T 161	4	
	16	
GSA 201b	3	
GSB 302	3	
Eng 391 ¹	3	
H&F 341	4	
HEEd 370	5	
	18	
GSA 201c	3	
C&T 323	2	
C&T 327	3	
F&N 335	4	
F&N 320	4	
	16	

Fourth Year		
GSA 301	3	
GSC 301	3	
H&F 332	4	
C&T 360	4	
Jrnl 393	3	
	17	
GSA 302	3	
GSC	3	
H&F 345	3	
F&N 321	3	
HEd 310	4	
	16	
H&F 324	2	
HEEd 371	6	
Electives	8	
	16	

¹ May proficiency by B average at GSD first level or examination.

HOME ECONOMICS (HOME AND FAMILY) SCHOOL OF HOME ECONOMICS

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a	3	GSA 101b	3	GSA 101c	3
GSB 101b	3	GSB 101c	3	GSB 101a	3
GSC 100 or 101	3	GSC 102	3	GSC 103	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
F&N 105	4	C&T 127	4	C&T 135	3
		Chem 101b	1	Chem 101c	1
	17		18		17

Second Year

GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB 201a	3	GSB 201c	3	GSB 201b	3
GSC 209, 202, or 203 ..	3	GSC 204, 205, or 206 ..	3	GSC 207, 208, 201, or 210	3
GSD 108a	3	GSD 108b	3	GSD 108c	3
C&T 131	3	F&N 206	4	H&F 237	3
	15		16		15

Third Year

GSA-3	3	GSA-3	3	GSA-3	3
GSB-3	3	GSB-3	3	GSE 201	3
H&F 227	3	GSC-3	3	C&T 233	3
H&F 331	3	F&N 320	4	F&N 335	4
H&F 345	3-4	Electives	4	Electives	4
	15-16		17		17

Fourth Year

H&F 366	3	H&F 324	2	H&F 341	4
H&F 332	4	F&N 321	3	C&T 233	2
Electives	10	Electives	12	Electives	8
	17		17	C&T 327	3
					17

NOTES:

Recommended electives for a General curriculum: C&T 145, 331, 360; HEd 310; HEEd 111.

For students with a particular interest in child development and family relations, the following electives are suggested: F&N 359; Guid 412; H&F 456, 466; Psyc 301, 303, 305. For students with a particular interest in consumer services, the following electives are suggested: C&T 332, 339; F&N 356, HEEd 370; H&F 424, 435; Jrnl 331, 360, 370, 391, 397. R-TV 161, 257.

HOME ECONOMICS (HOME ECONOMICS EDUCATION)

COLLEGE OF EDUCATION

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSB 201a	3	GSB 201c	3	GSB 201b	3
GSC 101	3	GSC 102	3	GSC 103	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
F&N 105	4	C&T 127	4	C&T 131	3
HEEd 111	2	C&T 135	3	H&F 237	3
	16		17		16

Second Year					
GSA 101a	3	GSA 101b	3	GSA 101c	3
GSB 211a	3	GSB 211b	3	GSB 211c	3
GSC 209, 202, or 203	3	GSC 204, 205, or 206	3	GSC 207, 208, 201, or 210	3
GSD 108a or FL	3	GSD 108b or FL	3	GSD 108c or FL	3
GSE 201	3				
H&F 227	3	F&N 206	4	C&T 233	3
	18		16		15
Third Year					
GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB 301	3	GSB 331	3	F&N 321	3
H&F 331	3	H&F 341	4	H&F 324	2
C&T 360	4	HEEd 309	5	C&T 323	2
Guid 305	4	Eng 391 ¹	3	C&T 327	3
	17		18	F&N 335	4
					17
Fourth Year					
GSA 301	3	GSA 302	3		
GSC 301	3	GSC	3		
H&F 332	4	F&N 320	4	HEEd 310	3
H&F 345	3	HEd 310	4	HEEd 311	2
IM 417	4	SEd 440	3	SEd 352b	12
	17		17		17

¹ May be waived by B average in GSD 101a, 101b or by examination.
Recommended electives: SEd 310, Guid 422, and EdAd 355.
Optional: A one-hour laboratory course for one credit will be offered for GSA 101b and 101c. Students desiring to register for the laboratory should register in chemistry 101b-1 and 101c-1.

HOME ECONOMICS (INSTITUTION MANAGEMENT)

SCHOOL OF HOME ECONOMICS

First Year					
FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a	3	GSA 101b	3	GSA 101c	3
				GSB 101b	3
GSC 101	3	GSC 102	3	GSC 103	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD 108a	3	GSD 108b	3	GSD 108c	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
F&N 105	4	H&F 227	3		
		Chem 101b	1	Chem 101c	1
	17		17		17
Second Year					
GSA 201a	3				
GSA 301	4	GSB 101a	3	GSB 212b	3
GSB 101c	3	GSB 211a	3	GSC 204 or 205	3
		GSC 209, 202, or 203	3		
Acct 251	4	Acct 251b	4	F&N 335	4
C&T 251	3	F&N 206	4	H&F 237	3
	17		17	Chem 350	4
					17

Third Year

F&N 351	3	F&N 352	4	GSB 211c	3
F&N 350	3	F&N 320	4	GSC 207, 208, or 201 ..	3
F&N 356	4			F&N 353	3
H&F 331	3	Psyc 320	4	F&N 355	3
Micr 301	5	Mgt 385	4	C&T 327	3
	18		16	HEEd 307	3
					18

Fourth Year

GSA 201b	3	GSA 201c ¹	3	GSA 302	3
GSB 311	3			GSB 303, 312, or 314 ..	3
GSC 386	3			GSC 387	3
GSE 201 ¹	3	H&F 332	4	F&N 359	4
F&N 371 ²	6	H&F 341	4	Mgt 371	4
	18	Micr 422	5		17
			16		

¹ Students are encouraged to take the proficiency examination.

² It is recommended that students do their field experience during the summer preceding their senior year.

Recommended Electives: C&T 323; Guid 305; H&F 424; Jml 331; Mgt 271, 371, 382; Psyc 323; R-T 161; Sec 102.

HOME ECONOMICS (INTERIOR DESIGN)

SCHOOL OF HOME ECONOMICS

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSB-1	3	GSB-1	3	GSB-1	3
GSC 101	3	GSC 102	3	GSC 103	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD 108a ¹	3	GSD 108b ¹	3	GSD 108c ¹	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
C&T 251 (Fall only) or IEd 112	3	C&T 131	3	C&T 135	3
HEEd 111 ²					
	16		16		16

Second Year

GSA 101a	3	GSA 101b and Chem 101b ⁴	4	GSA 101c and Chem 101c ⁴	4
GSB 201a	3	GSB 201c	3	GSB 201b	3
GSC 209, 202, 203 ..	3	GSC 204 or 205	3	C&T 231 (alt yrs)	3
C&T 390	5	C&T 380	4	C&T 381	4
H&F 227	3	IEd 304a	4	H&F 237	3
	17		18		17

Third Year

GSA 201a	3	GSA 201b	3	GSA 201c	3
C&T 300	2-4	GSB-3	3	GSE 201	3
C&T 382	4	C&T 391a	5	Art History	3-4
F&N-3 ³	5	H&F 341	4	C&T 391b	5
	14-16		15	HEEd 306	2
					16-17

Fourth Year

GSA-3	3	GSA-3	3		
GSB-3	3	GSC-3	3	GSC-3	3
GSC 207	3	C&T 331 (alt yrs)	3	C&T 395	4
C&T 391c	5	C&T 394	4	Electives	9
Elective	2	Elective	3		
	16		16		16

¹Students may take GSD, Elementary French, 123a, 123b, 123c instead of GSD 108b and 108c may proficiency out of GSD 108a if qualified.
²Recommended if student is in doubt concerning his major.
³Recommended courses pending.
⁴Lab to accompany GSA 101b,c.
Suggested Electives: Acct 250, Art 385, art history courses, Des 100, C&T 322, 371, HEEd 111, H&F 324, 333 (or 331 and 332), IEd 304a, Jrnl 370, 260a, 331, 393.

INDUSTRIAL EDUCATION

SCHOOL OF TECHNOLOGY

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a	3	GSA 101b	3	GSA 101c	3
		GSB 101b	3	GSB 101c	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD 114a	3	GSD 114b	3	GSD 114c	3
GSE PE	1	GSE PE	1	GSE PE	1
USAF	0	USAF	0	USAF	1
FC 000	0	FC 000	0	FC 000	0
IEd 100	2				
IEd 235a	3	IEd 235b	3	IEd 327a	3
	15		16		17

Second Year

GSA 201a	3	GSA 201b	3	GSA 201c or 200	3
GSB 101a	3	GSB 201a	3	GSB 201c	3
GSC-2	3	GSC-2	3	GSC-2	3
USAF 200a	0	USAF 200a	0	GSE 201	3
USAF 210	1	USAF 220	1	USAF 200a	0
IEd 312a	3	IEd 343a	3	IEd elective ¹	3
IEd 322a or 320-4	3	IT 332a	4	IT 306a	3
	16-17		17		18

Third Year

GSB 201b	3	GSA-3	3	GSB 331	3
IEd 309a	4	IEd elective	3	GSC-3	3
IEd elective	3	IEd elective	3	IEd elective	3
Guid 305	4	IEd elective	3	IEd elective	3
Tech 300a	3	SEd 310	3	IT 305a or IEd 487	3
	17	Tech 300b	3	Tech 300c	3
			18		18

Fourth Year

GSA-3	3	GSB-3	3	SEd 352 or IEd 435	12-16
GSC-3	3	IEd elective	4		
IEd 491a	3	IEd elective	3		
IEd elective	3	IEd elective	4		
IEd elective	3	IM 417	4	IEd elective	3
Guid 422	3				
	18		18		15-19

GSC-1, 9 hours missing.
* Basic curriculum requirements for industrial arts teaching and manual arts therapy. Students specializing in trades and industries teaching or technical teaching will need to make substitutions as required for the specific area of teaching being pursued after consultation with a School of Technology adviser.
¹Special courses are needed to meet the elected teaching area requirements.

INDUSTRIAL TECHNOLOGY

SCHOOL OF TECHNOLOGY

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a	3	GSA 101b	3	GSA 101c	3
GSB 101b	3	GSB 101c	3	GSB 101a	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD 114a	3	GSD 114b	3	GSD 114c	3
GSE PE	1	GSE PE	1	GSE PE	1
USAF 100a	0	USAF 100a	0	USAF 100a	0
				USAF 110	1
FC 000	0	FC 000	0	FC 000	0
IT 235a	3	IT 235b	3	IT 305a	3
	16		16		17

Second Year

GSA 201a	3	GSA 201b	3	GSA 201c or 200	3
GSB 201a	3	GSB 201c	3	GSB 201b	3
GSC-2	3	GSC-2	3	GSC 208	3
USAF 200a	0	USAF 200a	0	USAF 200a	0
USAF 210	1	USAF 220	1	GSE 201	3
IT 312a	3	IT 343a	3	IT 327a	3
IT 322a	3	Mgt 340	4	IT 306a	3
	16		17		18

Third Year

Mgt 380	4	ET 361	4	GSA 3	3
IT 300a	4	Mgt 382	3	GSB 311	3
Tech 300a	3	Tech 300b	3	Tech 300c	3
IT 227a	3	IT 343b	3	Psyc 320	4
IT Elective	3	IT Elective or 227b	3	IT Elective	3
	17		16		16

Fourth Year

IT 318a	3	GSC 387	3	GSC 348	3
IT 341a	3	GSA-3	3	IT 309a	4
GSB 312	3	IT 318b (elec.)	3	IT Elective	10
IT Elective	9	IT Elective	9		
	18		18		17

GSC-1, 9 hours missing.

* Specific courses are needed to meet the elective area requirements. Such courses are selected with the guidance of the School of Technology advisor.

INTER-AMERICAN STUDIES

COLLEGE OF LIBERAL ARTS AND SCIENCES

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a	3	GSA 101b	3	GSA 101c	3
GSB 101b	3	GSB 101c	3	GSB 101a	3
GSC 110a	3	GSC 110b	3	GSC 110c	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD 140a ¹	3	GSD 140b ¹	3	GSD 140c ¹	3
GSE PE	1				
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
	16		15		16

Second Year					
GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB 211a	3	GSB 211b	3	GSB 211c	3
GSC 202 or 209	3	GSC 204, 205, or 206	3	GSC 208	3
GSE 201	3	GSE PE	1	GSE PE	1
USAF	1	USAF	1	USAF	0
Span 201	3	Span 202	3	Span 203	3
		Elective	3	Elective	3
	16		17		16
Third and Fourth Years					
GSA-3	3	GSA-3	3	GSB-3	3
GSB-3	3	GSC-3	3	GSC-3	3

A student desiring to major in inter-American studies should consult with Professor Albert W. Bork, director of the Latin American Institute as early as possible.
¹One who has taken Spanish in high school should begin as a freshman with Span 201, 202, 203, and 6 hours of 220 rather than GSD 140a,b,c.

JOURNALISM

SCHOOL OF COMMUNICATIONS

First Year					
FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a	3	GSA 101b	3	GSA 101c	3
GSB 101b	3	GSB 101c	3	GSB 101a	3
GSC 110a	3	GSC 110b	3	GSC 110c	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
Jrnl 101 ⁴	3	Jrnl 102 ⁴	3	Jrnl 103	3
	16		16		17
Second Year					
GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB 211a	3	GSB 211b	3	GSB 211c	3
GSC-2	3	GSC-2	3	GSC-2	3
GSD Math or FL	3	GSD Math or FL	3	GSD Math or FL	3
USAF	1	USAF	1	USAF	0
Jrnl 201	3	Jrnl 202	3	Specialization ¹	5
	16		16		17
Third and Fourth Years					

Complete one of the specializations which follow.

¹One specializing in advertising should take Mktg 230 during his sixth quarter; one specializing in Community Newspaper should take Jrnl 350 plus 2 hours; in Magazine Journalism, Jrnl 297 plus 2 hours; in News and Editorial, Jrnl 303 plus 2 hours. Govt 330 is an example of a 2-hour elective course suggested for the journalism student at the sophomore-junior level.
The journalism student is urged to take GSB 201a,b,c as junior-year electives in order to be prepared for upper-division courses in sociology, psychology, and anthropology.

JOURNALISM (ADVERTISING)

SCHOOL OF COMMUNICATIONS

Third Year					
GSA-3	3	GSA-3	3		
GSB-3	3	GSB-3	3	GSC-3	3
GSE 201	3	GSC-3	3		
Jrnl 370	3	Jrnl 372	5	Jrnl 371	3
Electives ²	4	Electives ²	2	Electives ²	10
	16		16		16

<i>Fourth Year</i>					
Jrnl 373	2	Jrnl 374	3	Jrnl 376	4
Electives ²	12	Electives ²	13	Jrnl 399 ³	1
	14		16	Electives ²	11
					16

² The student must complete 48 hours of journalism courses.

Recommended journalism electives for advertising specialization are 214, 260a, 432, 433.

For the advertising specialization, suggested electives outside journalism include: Econ 307, 317, 355, Mktg 230, 331, 332, 438, Psyc (GSB 202), 305, 320, 321, 322, Soc 305, 306, 320, 321, 333, 335, 338, 340, anthropology, English.

³ Jrnl 399, Senior Seminar, to be taken in the student's last quarter as an SIU undergraduate.

⁴ Jrnl 101 is offered in the fall and spring, and Jrnl 102 is available in winter and summer every year; for the student entering SIU during any other quarter besides fall. 102 may be taken before 101; both must be taken before 103.

JOURNALISM (COMMUNITY NEWSPAPER) SCHOOL OF COMMUNICATIONS

<i>Third Year</i>					
FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-3	3	GSA-3	3		
GSB-3	3	GSB-3	3		
GSE 201	3	GSC-3	3	GSC-3	3
Jrnl 265b(a)	3	Jrnl 265b(b)	3	Jrnl 340	3
Electives ²	4	Electives ²	4	Electives ²	10
	16		16		16
<i>Fourth Year</i>					
Jrnl 351	3	Jrnl 352	3	Jrnl 399 ³	1
Electives ²	11	Electives ²	13	Electives ²	15
	14		16		16

² The student must complete 48 hours of journalism courses. Recommended journalism electives for the community newspaper specialization are 214, 260a (a), 330, 370, 371.

³ Jrnl 399, Senior Seminar, to be taken in the student's last quarter as an SIU undergraduate.

JOURNALISM (MAGAZINE) SCHOOL OF COMMUNICATIONS

<i>Third Year</i>					
FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-3	3	GSA-3	3		
GSB-3	3	GSB-3	3		
GSE 201	3	GSC-3	3	GSC-3	3
Jrnl 369	3	Jrnl 303	3	Jrnl 340	3
Electives ²	4	Electives ²	4	Jrnl 397	3
	16		16	Electives ²	7
					16
<i>Fourth Year</i>					
Electives ²	14	Jrnl 398	3	Jrnl 399 ³	1
	14	Electives ²	13	Electives ²	15
			16		16

JOURNALISM (NEWS AND EDITORIAL) SCHOOL OF COMMUNICATIONS

<i>Third Year</i>					
GSA-3	3	GSA-3	3		
GSB-3	3	GSB-3	3		
GSE 201	3	GSC-3	3	GSC-3	3
Jrnl 330	3			Jrnl 340	3
Electives ²	4	Electives ²	7	Electives ²	10
	16		16		16

Fourth Year

Jrnl 390	3	Jrnl 391	3	Jrnl 399 ³	1
Electives ²	11	Electives ²	13	Electives ²	15
	14		16		16

² The student must complete 48 hours of journalism courses.
Recommended journalism electives for the magazine journalism and news and editorial specializations are 214, 260a(a), 370, 432.
For the community newspaper, magazine journalism, and news and editorial specializations suggested electives outside journalism include:
Eng 301, 309a, 309b, 335, 356, 447, 458, Govt 232, 243, 305, 330, 340, 360, 363, 370, 371, 380, 385, 390, 406, 410, 415, 420, Hist 308, 312, 330, 352a, 352b, 352c, 365, 367a, 367b, 367c, 372a, 372b, 401, 405, 411a, 411b, 411c, 415a, 415b, 418, 435a, 435b, 435c, 440, Soc 305, 306, 320, 335, 336, 340, 371, 372, 373, GSB 321, anthropology, economics, foreign language.
³ Senior Seminar, Jrnl 399, to be taken in the student's last quarter as an SIU undergraduate.

JOURNALISM

COLLEGE OF EDUCATION

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a	3	GSA 101b	3	GSA 101c	3
GSB 101b	3	GSB 101c	3	GSB 101a	3
GSC 110a	3	GSC 110b	3	GSC 110c	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
Jrnl 101	3	Jrnl 102	3	Jrnl 103	3
	16		16		17

Second Year

GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB-2	3	GSB-2	3	GSB-2	3
GSC-2	3	GSC-2	3	GSC-2	3
GSD Math or FL	3	GSD Math or FL	3	GSD Math or FL	3
USAF	1	USAF	1	USAF	0
Jrnl 201	3	Jrnl 202	3	Jrnl 303	3
	16		16	Elective ¹	1
					16

Third Year

GSA-3	3	GSA-3	3		
GSB-3	3	GSB-3	3		
GSE 201	3	GSC-3	3	GSC-3	3
Electives ¹	7	Jrnl 421	4	Electives ¹	13
	16	Elective ¹	3		16
			16		

Fourth Year

Electives ¹	16	Jrnl 422	3	Professional	16
		Electives ¹	13	Quarter	
			16		

¹ Electives should include requirements in the College of Education for the teaching certificate, as well as enough electives in the Department of Journalism curriculum so that the student has 48 hours credit in journalism. These recommended electives include 260a(a), 370, 390, 391. The student should verify the education requirements with a College of Education representative. Besides the journalism major, a minor of at least 30 hours must be completed, from such recommended fields as English, history, speech, theater, Secretarial Business Education.

MANAGEMENT (FINANCIAL)

SCHOOL OF BUSINESS

		<i>First Year</i>			
FALL	HOURS	FALL	HOURS	FALL	HOURS
GSA 101a	3	GSA 101b	3	GSA 101c	3
GSB-1 (waive)	0	GSB-1 (waive)	0	GSB-1 (waive)	0
GSB 201a	3	GSB 201c	3	GSB 201b	3
GSC 100 or 101	3	GSC 102	3	GSC 103	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD 108a	3	GSD 108b	3	GSD 110	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
	16		16		17

		<i>Second Year</i>			
GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB 211a	3	GSB 211b	3	GSE 201	3
GSC-2	3	GSC-2	3	GSC-2	3
A/C 251a	4	A/C 251b	4	A/C 251c	4
Mktg 235	3	Econ 214	3	Econ 215	3
USAF	1	USAF	1	USAF	0
	17		17		16

		<i>Third Year</i>			
Mgt 340	4	Mktg 325	4	Mgt 320	5
Mgt 371	4	Mgt 361	3	Mgt 327	4
GSA-3	3	GSA-3	3	Mgt 473	4
Mgt 380	4	Elective	7	GSB-3	3
	15		17		16

		<i>Fourth Year</i>			
GSC-3	3	GSB-3	3	GSC-3	3
Mgt 475	4	Mgt 421	4	Mgt 481	3
				Mgt 479	4
				Mgt 323	4
Electives	9	Electives	9	Electives	2
	16		16		16

MANAGEMENT (GENERAL)

SCHOOL OF BUSINESS

		<i>First Year</i>			
FALL	HOURS	WINTER	HOURS	FALL	HOURS
GSA 101a	3	GSA 101b	3	GSA 101c	3
GSB-1 (waive)	0			GSB 201b	3
GSB 201a	3	GSB 201c	3	GSC 103	3
GSC 100 or 101	3	GSC 102	3	GSD 103	3
GSD 101a	3	GSD 101b	3	GSD 110	3
GSD 108a	3	GSD 108b	3	GSE PE	1
GSE PE	1	GSE PE	1	FC 000	0
FC 000	0	FC 000	0	USAF	1
USAF	0	USAF	0		17
	16		16		

		<i>Second Year</i>			
GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB 211a	3	GSB 211b	3	GSE 201	3
GSC-2	3	GSC-2	3	GSC-2	3
A/C 251a	4	A/C 251b	4	A/C 251c	4
Mktg 235	3	Econ 214	3	Econ 215	3
USAF	1	USAF	1	USAF	0
	17		17		16

Third Year					
Mgt 340	4	Mktg 325	4	Mgt 320	5
Mgt 371	4	Mgt 361	3	Mgt 473	4
GSA-3	3	GSA-3	3	Mgt 327	3
Mgt 380	4	Electives	7	GSB-3	3
	15		17		16
Fourth Year					
GSC-3	3	GSB-3	3	GSC-3	3
Mgt 475	4	Mgt 421	4	Mgt 481	3
				Mgt 479	4
				Mgt 385	4
Electives	9	Electives	9	Electives	2
	16		16		16

MANAGEMENT (PERSONNEL)

SCHOOL OF BUSINESS

First Year					
FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a	3	GSA 101a	3	GSA 101c	3
GSB-1 (waive)	0				
GSC 100 or 101	3	GSC 102	3	GSC 103	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD 108a	3	GSD 108b	3	GSD 110	3
GSB 201a	3	GSB 201c	3	GSB 201b	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
	16		16		17
Second Year					
GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB 211a	3	GSB 211b	3	GSE 201	3
GSC-2	3	GSC-2	3	GSC-2	3
A/C 251a	4	A/C 251b	4	A/C 251c	4
Mktg 235	3	Econ 214	3	Econ 215	3
USAF	1	USAF	1	USAF	0
	17		17		16
Third Year					
Mgt 340	4	Mktg 325	4	Mgt 385	4
Mgt 371	4	Mgt 382	3	Mgt 320	5
GSA-3	3	GSA-3	3	Mgt 473	4
Mgt 380	4	Mgt 361	3	GSB-3	3
	15	Electives	4		16
			17		
Fourth Year					
GSC-3	3	GSB-3	3	GSC-3	3
Mgt 480	4	Mgt 485	4	Mgt 481	3
				Mgt 479	4
Electives	9	Electives	9	Electives	6
	16		16		16

MARKETING

		<i>First Year</i>	
FALL	HOURS	WINTER	HOURS
GSA 101a	3	GSA 101b	3
GSB 201a	3	GSB 201c	3
GSC 100 or 101	3	GSC 102	3
GSD 101a	3	GSD 101b	3
GSD 108a	3	GSD 108b	3
GSE PE	1	GSE PE	1
FC 000	0	FC 000	0
USAF	0	USAF	0
	16		16

		<i>Second Year</i>	
GSA 201a	3	GSA 201b	3
GSB 211a	3	GSB 211b	3
GSC-2	3	GSC-2	3
GSE 201	3		
USAF	1	USAF	1
Acct 251a	4	Acct 251b	4
	17	Econ 214	3
			17

		<i>Third Year</i>	
GSA-3 ²	3	GSA-3 ²	3
Mktg 325	4	Mgt 320	5
Mgt 340	4		
Mgt 371	4		

		<i>Fourth Year</i>	
GSC-3 ²	3	GSC-3 ²	3
Mktg 490	4		

¹During his third & fourth years, the student must complete all university and departmental requirements. Departmental requirements (in addition to those shown include Mktg 333, 341, 438, and seventeen additional hours.

²During his third & fourth years, the student must elect no less than 18 hours of advanced General Studies courses, to be distributed as follows: Area A, 6 hours; Area B, 6 hours; and Area C, 5 hours.

MATHEMATICS

		<i>First Year</i>	
FALL	HOURS	WINTER	HOURS
GSA-1 (waive)	0	GSA-1 (waive)	0
GSB-1	3	GSB-1	3
GSC-1	3	GSC-1	3
GSD 101a	3	GSD 101b	3
GSD 114a ¹	3	GSD 114b ¹	3
GSE 201	3	GSD 114c ¹	3
GSE PE	1	GSE PE	1
FC 000	0	FC 000	0
USAF	0	USAF	0
	16		16

		<i>Second Year</i>	
GSA-2	3	GSA-2	3
GSB 211a	3	GSB 211b	3
GSB 201c	3	GSB 331	3
GSC-2	3	GSC-2	3
USAF	1	USAF	1
Math 150b ¹	5	Math 252a ¹	5
	18		18

SCHOOL OF BUSINESS

		<i>First Year</i>	
SPRING	HOURS		
GSA 101c	3		
GSB 201b	3		
GSC 103	3		
GSD 103	3		
GSD 110	3		
GSE PE	1		
FC 000	0		
USAF	1		
	17		

		<i>Second Year</i>	
GSA 201c	3		
GSC-2	3		
USAF	0		
Acct 251c	4		
Econ 215	3		
Mktg 225	3		
	16		

		<i>Third Year</i>	
GSB-3	3		

		<i>Fourth Year</i>	
GSC-3 ²	3		
Mgt 481	4		

COLLEGE OF EDUCATION

		<i>First Year</i>	
SPRING	HOURS		
GSA-1 (waive)	0		
GSB-1	3		
GSC-1	3		
GSD 103	3		
Math 150a ¹	5		
GSE PE	1		
FC 000	0		
USAF	1		
	16		

		<i>Second Year</i>	
GSA-2	3		
GSB 211c	3		
Guid 305	3		
GSC-2	3		
USAF	0		
Math 252b ¹	4		
	17		

Third Year

GSA-3	3	GSA-3	3	GSD FL ³	3
GSD FL ³	3	GSD FL ³	3	Math 311	3
Math 320a	3	Math 320b	3	Math 335b	3
Physics 211a ²	5	Math 335a	3	Eng 391 or Minor	3
SEd 440	3	Hist 201 or 202	3	SEd 310	4
	17		15		16

Fourth Year

GSC-3	3	GSB-3	3	Student Teaching 352 ..	12
Math 480a	4	GSC-3	3		
Math	3	Math 483	4		
Guid 422	4	IM 417	4		
Minor	3-4	Minor	3-4	Minor	3-5
	17-18		17-18		15-17

The student must spend some summers in school in order to complete a teaching minor of 30 hours, to take 16 hours of student teaching, and to take additional mathematics courses which a well-prepared teacher should have. The alternative is to gain credit for some courses by proficiency examinations.

¹A student may take a proficiency exam for credit in any or all of these courses. He should enroll in 114b, 114c, or 150a during his first quarter as a freshman if his high school background and the advanced mathematics placement test indicate his beginning with a course higher than 114a.

²Physics 211a (or 206a) is required for mathematics majors; 211b,c (or 206b,c) are recommended.

³French, German, or Russian is the foreign language which the Department of Mathematics requires of its majors. This requirement can also be met by passing an examination or by 3 hours of credit in the intermediate level of one foreign language. FIRST YEAR OPTIONS (in the event it is impossible to enroll in the required General Studies sequences): Foreign language sequence; courses in a possible minor.

SECOND YEAR OPTIONS: Physics; foreign language sequence (if it is not completed during the freshman year); General Studies first level sequences not completed; courses in minor field.

MATHEMATICS

COLLEGE OF LIBERAL ARTS AND SCIENCES

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1 (waive)	0	GSA-1 (waive)	0	GSA-1 (waive)	0
GSB-1	3	GSB-1	3	GSB-1	3
GSC-1	3	GSC-1	3	GSC-1	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD 114a ¹	3	GSD 114b ¹	3	Math 150a ¹	5
Elective	3	GSD 114c ¹	3		
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
	16		16		16

Second Year

GSA-2	3	GSA-2	3	GSA-2	3
GSB-2	3	GSB-2	3	GSB-2	3
		GSC-2	3	GSC-2	3
				GSE 201	3
USAF	1	USAF	1	USAF	0
Math 150b ¹	5	Math 252b ¹	5	Math 252b ¹	4
Physics 211a ²	5				
	17		15		16

Third Year					
GSA-3	3	GSA-3	3		
GSC-2	3				
Foreign language ³	3	Foreign language ³	3	Foreign language ³	3
Minor	3-5	Minor	3-5	Minor	3-5
Math 305a or other	3	Math 305b or other	3	Math 407 or other	3
		Math 421a or 320a	3	Math 421b or 320b	3
	15-17		15-17		15-17

Fourth Year					
GSB-3	3	GSB-3	3	GSC-3	3
		GSC-3	3	Math 452c	3
Math 452a	3	Math 452b	3	Math	3
Math	6	Math	3	Minor or Math	3-5
Minor	3-5	Minor	3-5	Minor	3-5
	15-17		15-17		15-19

¹A student may take a proficiency exam for credit in any or all of these courses; he should enroll in Math 114b, 114c, or 150a during his first quarter as a freshman if high school background and advanced mathematics placement test indicate his beginning with a course higher than GSD 114a.

²Physics 211a (or 206a) is required for mathematics majors; 211b,c (or 206b,c) are recommended.

³French, German, or Russian is recommended as the foreign language.

Each mathematics major must make an appointment with a member of the mathematics faculty to discuss the choice of mathematics courses to be taken during his junior and senior years.

FIRST YEAR OPTIONS (in the event it is impossible to enroll in the required General Studies sequences): Foreign Language; courses in a possible minor.

SECOND YEAR OPTIONS: Physics; Foreign Language (if it is not completed during the freshman year); GS first level sequences not completed; courses in minor field.

MICROBIOLOGY

FALL	HOURS
GSA 101a (waive)	0
GSA 201a	3
GSB 101b	3
GSD 101a	3
GSD 114a	3
GSE PE	1
Chem 111a	5
FC 000	0
USAF	0
	18

COLLEGE OF LIBERAL ARTS AND SCIENCES

<i>First Year</i>					
WINTER		HOURS	SPRING		HOURS
GSA 101b (waive)	.....	0	GSA 101c (waive)	.....	0
GSA 201b	.....	3	GSA 201c	.....	3
GSB 101c	.....	3	GSB 101a	.....	3
GSD 101b	.....	3	GSD 103	.....	3
GSD 114b	.....	3	GSD 114c	.....	3
GSE PE	.....	1	GSE PE	.....	1
Chem 111b	.....	5	Chem 111c	.....	5
FC 000	.....	0	FC 000	.....	0
USAF	.....	0	USAF	.....	1
		<hr/> 18			<hr/> 19

			<i>Second Year</i>					
GSB-2	.....	3	GSB-2	.....	3	GSB-2	.....	3
GSC-2	.....	3	GSC-2	.....	3	GSC-2	.....	3
Chem 305a	.....	4	Chem 305b	.....	4	Chem 235	.....	5
GSE 201 or			GSE 201 or					
Micr 301	.....	3-5	Micr 301	.....	3-5	Micr 302	.....	5
USAF	.....	1	USAF	.....	1	USAF	.....	0
Electives	.....	2-4	Electives	.....	2-4			
		<u>16-20</u>			<u>16-20</u>			<u>16</u>

Third Year

GSA-3	3	GSA-3	3	GSA-3	3
GSB-3	3	GSB-3	3	GSB-3	3
GSD FL	3	GSD FL	3	GSD FL	3
Micr 425-26 or 403	5	Micr 422 or elective	3-5	Micr 423 or elective	3-5
Elective	3				
	17		17-19		14-16

Fourth Year

GSC-3	3	GSC-3	3	GSC-3	3
Micr 425-26 or 403	5				
Phys 206a	5	Phys 206b	5	Phys 206c	5
		Micr 451	6	Math 150a	5
Elective	3-5	Elective	2-4	Micr 441	6
	16-18		16-18		19

A major in microbiology consists of a minimum of 48 hours and must include GSA 201, 202, 203 (5 hrs. credit), biology, Micr 301, 302, 403, 425, 426, 451, 441. Additional courses will be selected from the catalogue with the approval of the departmental adviser. Some suggested courses include the following: Micr 401-1, 422-5, 423-5, 424a-3, 424b-2, Zool 306-4, 320-4, 401-5, 406-4, 407-5, Phsl 430, 431, 432, Bot 355-5.

MUSIC

COLLEGE OF LIBERAL ARTS AND SCIENCES

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a	3	GSA 101b	3	GSA 101c	3
GSB 101b	3	GSB 101c	3	GSB 101a	3
GSC-1 (waive)	0	GSC-1 (waive)	0	GSC-1 (waive)	0
GSD 101a	3	GSD 101b	3	GSD 103	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
Mus 105a (theory)	4	Mus 105b (theory)	4	Mus 105c (theory)	4
Mus (applied major)	2	Mus (applied major)	2	Mus (applied major)	2
Mus (class piano or ensemble)	1	Mus (class piano or ensemble)	1	Mus (class piano or ensemble)	1
	17		17		18

Second Year

GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB 201a	3	GSB 201c	3	GSB 201b	3
GSC-2	3	GSC-2	3	GSC-2	3
GSD 123a	3	GSD 123b	3	GSD 123c	3
USAF	1	USAF	1	USAF	0
Mus 205a (theory)	3	Mus 205b (theory)	3	Mus 205c (theory)	3
Mus (private applied)	2	Mus (private applied)	2	Mus (private applied)	2
Mus (ensemble or class piano)	1	Mus (ensemble or class piano)	1	Mus (ensemble or class piano)	1
	19		19		18

Third and Fourth Years

GSE 201	3				
GSA-3	3	GSA-3	3	GSB-3	3
GSB-3	3	GSC-3	3	GSC-3	3

For information concerning major requirements, consult Professor Roderick Gordon, Old Main 106.

MUSIC

SCHOOL OF FINE ARTS

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1	3	GSA-1	3	GSA-1	3
GSB-1	3	GSB-1	3	GSB-1	3
GSC-1 (waive)	0	GSC-1 (waive)	0	GSC-1 (waive)	0
GSD 101a	3	GSD 101b	3	GSD 103	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
Mus 105a (theory)	4	Mus 105b (theory)	4	Mus 105c (theory)	4
Mus (applied)	2	Mus (applied)	2	Mus (applied)	2
Mus (ensemble)	1	Mus (ensemble)	1	Mus (ensemble)	1
Mus (class piano)	1	Mus (class piano)	1	Mus (class piano)	1
	18		18		19

Second Year

GSA-2	3	GSA-2	3	GSA-2	3
GSB-2	3	GSB-2	3	GSB-2	3
GSC-2	3	GSC-2	3	GSC-2	3
GSD FL	3	GSD FL	3	GSD FL	3
USAF	1	USAF	1	USAF	0
Mus 205a (theory)	3	Mus 205b (theory)	3	Mus 205c (theory)	3
Mus (applied)	2	Mus (applied)	2	Mus (applied)	2
Mus (ensemble)	1	Mus (ensemble)	1	Mus (ensemble)	1
Mus (class piano)	1	Mus (class piano)	1	Mus (class piano)	1
	20		20		19

Third and Fourth Years

GSE 201	3				
GSA-3	3	GSA-3	3	GSB-3	3
GSB-3	3	GSC-3	3	GSC-3	3

For information concerning major requirements, consult Professor Roderick Gordon, Old Main 106.

MUSIC EDUCATION (ELEMENTARY AND SECONDARY)

COLLEGE OF EDUCATION

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a	3	GSA 101b	3	GSA 101c	3
GSB 101a	3	GSB 101b	3	GSB 101c	3
GSC-1 (waive)	0	GSC-1 (waive)	0	GSC-1 (waive)	0
GSD 101a	3	GSD 101b	3	GSD 103	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
Mus 105 (theory)	4	Mus 106 (theory)	4	Mus 107 (theory)	4
Mus (applied)	2	Mus (applied)	2	Mus (applied)	2
Mus (ensemble)	1	Mus (ensemble)	1	Mus (ensemble)	1
Mus (class piano)	1	Mus (class piano)	1	Mus (class piano)	1
	18		18		19

Second Year

GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB 201a	3	GSB 201b	3	GSB 201c	3
GSD Math or FL	3	GSC-2	3	GSC-2	3
GSE 201	3	GSD Math or FL	3	GSD Math or FL	3
USAF	1	USAF	1	USAF	0
Mus 205 (theory)	3	Mus 206 (theory)	3	Mus 207 (theory)	3
Mus (applied)	2	Mus (applied)	2	Mus (applied)	2
Mus (ensemble)	1	Mus (ensemble)	1	Mus (ensemble)	1
Mus (class piano)	1	Mus (class piano)	1	Mus (class piano)	1
Mus (class instrument)	1	Mus (class instrument)	1	Mus (class instrument)	1
	21		21		20

Third and Fourth Years

GSA-3	3	GSA-3	3	GSB-3	3
GSB-3	3	GSC-3	3	GSC-3	3

For information concerning major requirements, consult Professor Roderick Gordon, Old Main 106.

Missing: GSC-2 (3 hours)

NURSING

DEPARTMENT OF NURSING

First Year

AT CARBONDALE

FALL	HOURS	WINTER	HOURS	SPRING	HOURS	SUMMER	HOURS
GSA 101a	3	GSA 101b	3	GSA 101c	3	GSA 201a	3
GSB 201a	3	GSB 201c	3			GSB 201b	3
GSC-1	3	GSC-1	3	GSD 103	3	GSC-1	3
GSD 101a	3	GSD 101b	3	GSD Math or FL	3	GSC 208	3
GSD Math or FL	3	GSD Math or FL	3	FC 000	0	GSE PE	1
FC 000	0	FC 000	0	Chem 101c	1		
		Chem 101b	1	Nurs 101c	1		
Nurs 101a	1	Nurs 101b	1	Phsl 300	4		
	16		17		15		13

Second Year

AT CARBONDALE

AT EAST ST. LOUIS

GSA 201b	3	GSA 201c	3		
GSA 301	4			GSC-2	3
GSE 201	3	GSC-2	3	GSE PE	1
GSE PE	1			Nurs 303	3
Soc 340	4	F&N 103	4	Phil 302	4
		Micr 301	5	Psyc 301	4
	15		15		15

Third Year

AT EAST ST. LOUIS

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-3	3				
GSB-3	3			GSB-3	3
		GSC-3	3	GSC-3	3
Nurs 301	8	Nurs 302	8	Nurs 363a	9
	14	Nurs 355	4		
			15		15

Fourth Year

AT EAST ST. LOUIS

HED 355	4	Nurs 363b	6	Nurs 363c	14
Nurs 325	8	Nurs 375	8	Nurs 384	2
	12		14		16

Nursing students should consult with Virginia Harrison about their program as soon

as possible. If they are transfer students, this consultation should be before the first registration. In case the student departs in any way from this curriculum guide it should be only with Miss Harrison's written permission.
Missing: GSB-1 (9 hours).

PHILOSOPHY

COLLEGE OF LIBERAL ARTS AND SCIENCES

<i>First Year</i>		
FALL	HOURS	WINTER
GSA-1	3	GSA-1
GSB-1	3	GSB-1
GSC 100 or 101	3	GSC 102
GSD 101a	3	GSD 101b
GSE PE	1	
FC 000	0	FC 000
USAF	0	USAF
Elective	3	Elective
	16	15

<i>Second Year</i>		
GSA 201a	3	GSA 201b
GSB-2	3	GSB-2
GSC-2	3	GSC-2
GSD 108a or FL	3	GSD 108b or FL
GSE 201	3	GSE PE
USAF	1	USAF
	16	17

<i>Third Year</i>		
GSC 381	3	GSC 382
		GSC 383

The two third-level courses in each of Areas A and B may be worked in as may be convenient in terms of the rest of the program.
All the rest of the student's program should be worked out on an individual basis in conference with advisers, the major work in consultation with the major adviser in the department. The minor program will vary from student to student and must be worked out with the major adviser and a consultant in the minor department.

PHOTOGRAPHY

SCHOOL OF COMMUNICATIONS

<i>First Year</i>		
FALL	HOURS	WINTER
GSA-1	3	GSA-1
GSB-1	3	GSB-1
GSC-1	3	GSC-1
		GSC-2
GSD 101a	3	GSD 101b
GSE PE	1	GSE PE
FC 000	0	FC 000
USAF	0	USAF
Art 100a	6	Art 100b
	19	19

<i>Second Year</i>		
GSA-2	3	GSA-2
GSB-2	3	GSB-2
GSC-2	3	GSC-2
GSD Math or FL	3	GSD Math or FL
USAF	1	USAF
P&P 260a	4	P&P 260b
	17	17

<i>Third Year</i>		
GSA-3	3	GSA-3
GSB-3	3	GSB-3
GSC-3	3	GSC-3
GSD Math or FL	3	GSD Math or FL
USAF	0	USAF
P&P 260c	4	P&P 260c
	16	16

Third Year					
GSA, B, C,	6	GSA, B, C,	6	GSA, B, C	3
P&P 341a	4	P&P 341b	4	P&P 341c	3
P&P 309a	4	P&P 309b	4	P&P 309c	4
		Elective	2	P&P 345a	3
				P&P 391 or 392	3
	14		15		16
Fourth Year					
P&P 345b	3	P&P 303	4	P&P 391 or 392	3
P&P 360a	3	GSA, B, or C	3		
Elective	8	Elective	7	Elective	12
	14		14		15

* Some options in the major are available in the junior and senior years. The student should consult the department chairman about these options.

PHYSICAL EDUCATION (MEN)

COLLEGE OF EDUCATION

First Year					
FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1	3	GSA-1	3	GSA-1	3
GSB-1	3	GSB-1	3	GSB-1	3
GSC-1	3	GSC-1	3	GSC-1	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD 108a	3	GSD 108b	3	GSD 108c	3
PEM 181 ¹	1	PEM 182 ¹	1	PEM 183 ¹	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
PEM	1	PEM	1	PEM	1
	17		17		18
Second Year					
GSA-2	3	GSA-2	3	GSA-2	3
GSA 301	4				
GSB-2	3	GSB-2	3	GSB-2	3
GSC-2	3	GSC-2	3	GSC-2	3
				GSE 201	3
USAF	1	USAF	1	USAF	0
PEM ²	3	PEM ²	3	PEM 303	5
	16	Phsl 300	4		
			17		17
Third Year					
GSA-3	3	GSB-3	3	GSC-3	3
GSB 331	3	GSC-3	3	PEM	6
		PEM	4	Education	3
PEM	8	Education	4	Minor	6
Education	4	Elective	3		
	18		17		18
Fourth Year					
PEM	5	PEM	2	Student Teaching	12
Minor	12	Minor	12	Education	3
		Education	3		
	17		17		15

¹ PEM 181, 182, 183 satisfy the GSE requirement.
² 101-2 during fall or winter of second year.

PHYSICAL EDUCATION (WOMEN)

COLLEGE OF EDUCATION

First Year

FALL	HOURS
GSA-1	3
GSB-1	3
GSC-1	3
GSD 101a	3
GSD Math	3
FC 000	0
PEW 114 ¹	1
PEW 222	1
	<hr/>
	17

WINTER	HOURS
GSA-1	3
GSB-1	3
GSC-1	3
GSD 101b	3
GSD Math	3
FC 000	0
PEW 113 ¹	1
PEW ²	1
	<hr/>
	17

SPRING	HOURS
GSA-1	3
GSB-1	3
GSC-1	3
GSD 103	3
GSD Math	3
FC 000	0
PEW 211 ¹	1
PEW 228	1
	<hr/>
	17

Second Year

GSA-2	3
GSB 201a	3
GSB 331	3
GSC-2	2
GSE 201	3
PEW 212 and 244	2
PEW ²	
	<hr/>
	18

GSA-2	3
GSB 201c	3
GSC-2	3
GSC-2	3
Guid 305	4
PEW 224 and 242	2
	<hr/>
	18

GSA-2	3
GSB 201b	3
SEd 310	4
PEW 350	5
PEW 355	3
	<hr/>
	18

Third Year

GSA-301	4
PEW 352	2
PEW 354	2
PEW 304a	2
PEW 304b	2
PEW 370	4
PEW 311A or 374	1
	<hr/>
	17

PEW 304c	2
PEW 308	5
PEW 351	4
PEW 311B or 376 or	
GSE 113d	1
PEW 304d	2
Phsl 300	4
	<hr/>
	18

GSC-3	3
PEW 353	4
PEW 304e	2
PEW 303	5
Eng 391 or proficiency..	3
	<hr/>
	17

Fourth Year

GSA-3	3
GSB-3	3
HEd 334	4
HEd 460	4
PEW ²	1
	<hr/>
	15

GSC-3	3
Hist 203 or GSB 211b..	4
IM 417 or elective	4
Elective	3
	<hr/>
	14

Student teaching	16
	<hr/>
	16

¹ PEW 114, 113 and 211 satisfy the GSE-1 requirement.² Must take one of the following: GSE 114a,b,m,e,i, or PEW 317.

PHYSICS

COLLEGE OF EDUCATION OR LIBERAL ARTS AND SCIENCES

First Year

FALL	HOURS
GSA-1 (waive)	0
GSB 101b	3
GSD 101a	3
GSD 114a ¹	3
GSE PE	1
FC 000	0
USAF	0
Chem 111a	5
	<hr/>
	15

WINTER	HOURS
GSA-1 (waive)	0
GSB 101c	3
GSD 101b	3
GSD 114b ¹ and 114c ..	6
GSE PE	1
FC 000	0
USAF	0
Chem 111b	5
	<hr/>
	18

SPRING	HOURS
GSA-1 (waive)	0
GSB 101a	3
GSC-1	3
GSD 103	3
Math 150a	5
GSE PE	1
FC 000	0
USAF	1
	<hr/>
	16

Second Year

GSA-2	3	GSA-2	3	GSA-2	3
GSC-1	3	GSC-1	3	GSB 201a	3
USAF	1	USAF	1	GSE 201	3
Math 150b	5	Math 252a	5	USAF	0
Phys 211a	5	Phys 211b	5	Math 252b	4
	17		17	Phys 211c	5
					18

Third Year

GSB 201c	3	GSB 201b	3	GSC-2	3
GSC-2	3			GSD FL	3
GSC-2	3	GSD FL	3	Phys 305b	5
GSD FL ²	3	Phys 301b	4	Math 407	3
Phys 301a	4	Phys 305a	5	Phys 310	5
Math 305a	3	Math 305b	3		19
	19		18		

Fourth Year

GSA-3	3	GSA-3	3	GSB-3	3
GSC-3	3	GSB-3	3	Phys 414 or 450	5
Phys 413a	4	GSC-3	3	Elective	6
Phys 405	5	Phys 413b	4	Elective ³	3
Elective ³	3	Phys 304	3		17
	18	Elective ³	3		
			19		

¹ If a student receives advanced standing in GSD 114a, he should take 114b fall quarter.
² German or Russian
³ Suggested Electives: for theoretical physicists Math 452, 453, 454; for others a year of foreign language.

PHYSIOLOGY (PROFESSIONAL) COLLEGE OF LIBERAL ARTS AND SCIENCES

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1 (waive)	0	GSA-1 (waive)	0	GSA-1 (waive)	0
GSA 201a	3	GSA 201b	3	GSA 201c	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD Math	3	GSD Math	3	GSD Math	3
GSD FL	3	GSD FL	3	GSD FL	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
Chem 111a	5	Chem 111b	5	Chem 111c	5
	18		18		19

Second Year

GSB-1	3	GSB-1	3	GSB-1	3
GSC-1	3	GSC-1	3	GSC-1	3
USAF	1	USAF	1	USAF	0
Chem 305a	4	Chem 305b	4	Chem 235	5
Zool 103	5	Zool 202	5	Zool 300	5
	16		16		16

Third Year

GSB-2	3	GSB-2	3	GSB-2	3
GSC-2	3	GSC-2	3	GSC-2	3
Phys 206a	5	Phys 206b	5	Phys 206c	5
Phsl 315a	5	Phsl 315b	5	Phsl 315c	5
	16		16		16

<i>Fourth Year</i>					
GSA-3	3	GSA-3	3	GSE 201	3
GSB-3	3	GSB-3	3	Phsl elec	11
GSE-3	3	GSC-3	3		
Phsl elective	8	Phsl elective	8	Elective	4
	17		17		18

This curriculum is only for those who wish to become professional physiologists. It will be varied individually for premedical technologists and similar preprofessional students who wish to major in physiology.

PLANT INDUSTRIES

SCHOOL OF AGRICULTURE

<i>First Year</i>			
FALL	HOURS	WINTER	HOURS
GSA 101a	3	GSA 101b ¹	3
GSC 101	3	GSC 102	3
GSD 101a	3	GSD 101b	3
GSD 108a or 114a ¹	3	GSD 108b or 114b	3
GSE PE	1	GSE PE	1
FC 000	0	FC 000	0
USAF	0	USAF	0
Agriculture ²	3-4	Agriculture ²	2-4
	16-17		15-17

<i>Second Year</i>			
GSA 201a	3	GSA 201b	3
GSB 101a	3	GSB 101b	3
GSB 211a	3	GSB 211b	3
GSC-2	3	GSC-2	3
USAF	1	USAF	1
Agriculture ³	3-5	Agriculture ³	4-5
	16-18		17-18

<i>Third Year</i>			
GSA-3	3	GSA-3	3
GSB-3	3	GSB-3	3
GSC-3	3	GSC-3	3
Basic sciences, PII, other Agric, electives ⁴	8-9	Basic sciences, PII, other Agric., electives ⁴	11-12
	17-18		17-18

<i>Fourth Year</i>			
PII, other Agric., electives	12-18	PII, other Agric., electives	12-18

¹If noncredit Math 106 is required, delay GSA 101 until following quarter. A student with a science background and ACT score of 75 in natural sciences should take GSD 114 and may well substitute Chem 111 for GSA 101b. It is possible to take Chem 112 & 305 after completion of GSA 101b with a grade of B or better.

²At least one course should be selected from a different department each quarter from those listed immediately below under the corresponding quarter.

AgI 114	4	AgI 114, 210, 214	2-4	AgI 215	4
AnI 105, 231	4	AnI 125, 231	4	AnI 105, 125	4
PII 103, 264	4	PII 103	4	PII 103, 264	4

³One course should be selected each quarter from those listed below, or above, under the corresponding quarter.

PII 302, 304, 306, 334	3-5	PII 309, 324, 344	4-5	PII 304, 309, 316, 340	3-4
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⁴Students majoring in plant industries may study in the areas of field crops, fruits, ornamentals, soils, or vegetables and elect such basic courses as support these areas.

PRINTING MANAGEMENT

FALL	HOURS
GSA-1	3
GSB-1	3
GSC-1	3
GSD 101a	3
GSD Math	3
GSE PE	1
FC 000	0
USAF	0
	<hr/>
	16

GSA-2	3
GSB 211a	3
GSC-2	3
GSD 103	3
USAF	1
P&P 265a	3
	<hr/>
	16

GSA-3	3
GSB-3	3
P&P 308a	4
P&P 312	3
Economics 214	3
	<hr/>
	16

GSC-3	3
P&P 381a	3
P&P 379a	3
Mgt 340	4
Mgt 371	4
	<hr/>
	17

PSYCHOLOGY

FALL	HOURS
GSA-1	3
GSB-1	3
GSC-1	3
GSD 101a	3
GSD Math or FL	3
GSE PE	1
FC 000	0
USAF	0
	<hr/>
	16

GSA-2	3
GSB 201a	3
GSC-2	3
GSD Math or FL	3
GSE 201	3
USAF	1
	<hr/>
	16

SCHOOL OF COMMUNICATIONS

First Year

WINTER	HOURS
GSA-1	3
GSB-1	3
GSC-1	3
GSD 101b	3
GSD Math	3
GSE PE	1
FC 000	0
USAF	0
	<hr/>
	16

GSA-2	3
GSB 211b	3
GSC-2	3
GSE 201	3
USAF	1
P&P 271a	4
	<hr/>
	17

Third Year

P&P 302	3
P&P 308b	3
P&P 365	3
Accounting 250	5
Economics 215	3
	<hr/>
	17

Fourth Year

GSB-3	3
GSC-3	3
P&P 381b	3
P&P 379b	3
Mgt 380	5
	<hr/>
	17

SPRING	HOURS
GSA-1	3
GSB-1	3
GSC-1	3
GSD Math	3
GSE PE	1
FC 000	0
USAF	1
P&P 217	4
	<hr/>
	18

GSA-2	3
GSB 211c	3
GSC-2	3
USAF	0
P&P 271a & 314	6
	<hr/>
	15

GSA-3	3
Elective	2
P&P 366	3
Marketing 225	3
Economics 310	4
	<hr/>
	15

P&P 379c	3
P&P 384	3
Mgt 385	4
Elective	3
	<hr/>
	13

COLLEGE OF LIBERAL ARTS AND SCIENCES

First Year

WINTER	HOURS
GSA-1	3
GSB-1	3
GSC-1	3
GSD 101b	3
GSD Math or FL	3
GSE PE	1
FC 000	0
USAF	0
	<hr/>
	16

GSA-2	3
GSB 201c	3
GSC-2	3
GSD Math or FL	3
Psyc 211a	4
USAF	1
	<hr/>
	17

SPRING	HOURS
GSA-1	3
GSB-1	3
GSC-1	3
GSD 103	3
GSD Math or FL	3
GSE PE	1
FC 000	0
USAF	1
	<hr/>
	17

GSA-2	3
GSB 201b	3
GSC-2	3
GSD Math or FL	3
Psyc 211b	4
USAF	0
	<hr/>
	16

Third and Fourth Years

Students declaring a major in psychology must see Dr. Carrier for assignment to a department adviser.

Required General Studies courses are:

GSA 301	3	GSA-3 ¹	3	GSB-3	3
GSB-3	3	GSC-3	3	GSC-3	3

The 43-hour major may be completed by following one of two sequences: a pregraduate sequence (for students planning to do graduate work in psychology) or a terminal sequence (for students planning no graduate work in psychology). Required in both sequences, and counting toward the 43 hours, are GSB 201b and Psychology 211a,b; required in both, but not counting toward the 43 hours, is GSA 301.

¹In addition, GSA 302 is strongly recommended as an elective.

Additional psychology courses required of majors in the two sequences are indicated below. Where options are indicated, courses should be chosen by the student in consultation with his department adviser.

Pregraduate Sequence:

311 and at least one: 312, 313, 314
At least two: 301, 303, 304, 305, 307, 320, 322
At least two: 404, 406, 407, 408, 409, 421, 431, 440, 451, 461, 471

Terminal Sequence:

Select from: 301, 303, 304, 305, 307, 311, 312, 313, 314, 320, 322, 404, 406, 407, 408, 409, 421, 431, 440, 451, 461, 471, including at least three from the 400 level.

Courses 323, 420, 432, 433, 438, and 465 may not be used to satisfy the major requirements, but are acceptable for the minor.

RADIO-TELEVISION

SCHOOL OF COMMUNICATIONS

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1	3	GSA-1	3	GSA-1	3
GSB-1	3	GSB-1	3	GSB-1	3
GSC-1	3	GSC-1	3	GSC-1	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD Math or FL	3	GSD Math or FL	3	GSD Math or FL	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
	16		16		17

Second Year

GSA-2	3	GSA-2	3	GSA-2	3
GSB-2	3	GSB-2	3	GSB-2	3
GSC-2	3	GSC-2	3	GSC-2	3
GSE 201	3	USAF	1	USAF	0
USAF	1				
R-T 161, 367, 257, 351 ¹	4	R-T 161, 251, 373, 367, or electives ¹	6	R-T 161, 251, 257, 351, 367, 373, 393, or electives ¹	8
	17		16		17

Third Year

GSA-3	3	GSA-3	3		
GSB-3	3	GSB-3	3		
GSC-3	3	GSC-3	3		
R-T	4	R-T	4	R-T	4
Minor (nonrelated)	4	Minor (nonrelated)	4	Minor (nonrelated)	8
	17		17	Minor (related)	5
					17

Fourth Year

R-T	8	R-T	7	R-T	3
Minor (nonrelated)	8	Minor (related)	10	Minor (related)	9
				Electives	4
	16		17		16

¹Students should take 161 and 367 as soon as possible. These admit to most other courses. Other required courses for the R-T major are 251, 257, 351, 373-8, and 393. Electives within the major total minimum of 19. The related minor means related to the field of R-T and must be approved by Mr. Mofield; the non-related minor is one not directly related to R-T preferably in the liberal arts, but may be education, etc., to qualify for teaching in the public schools. This also must be approved by Mr. Mofield.

RECREATION AND OUTDOOR EDUCATION

COLLEGE OF EDUCATION

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1	3	GSA-1	3	GSA-1	3
GSB-1	3	GSB-1	3	GSB-1	3
GSC-1	3	GSC-1	3	GSC-1	3
GSD 101a	3	GSD 101b	3	GSD Math	3
GSD Math	3	GSD Math	3	GSE PE	1
GSE PE	1	GSE PE	1	FC 000	0
FC 000	0	FC 000	0	USAF	1
USAF	0	USAF	0	Rec 100	3
	16		16		17

Second Year

GSA-2	3	GSA-2	3	GSA-2	3
GSB-2	3	GSB-2	3	GSB-2	3
GSC-2	3	GSC-2	3	GSC-2	3
GSE 201	3	Acct 250 ¹	4	GSD 103	3
Rec 201	4	Rec 202	4	Mgt 170 ¹	4
USAF	1	USAF	1	USAF	0
	17		18		16

Third Year

GSA 302	3	GSA 312	3		
		GSB 212	3		
GSB 331 or 303	3	GSB 321	3		
GSC 313	3	GSC-3	3	Rec 220	4
Rec 301	4	Rec 365 ¹	2	Rec 230	4
Mus 307	4	HEd 334	4	Rec 302	4
	17		18	Govt 232 ¹	5
					17

Fourth Year

Rec 315	4	Rec 310	3	Rec 305	4
Electives ²	4	Electives ²	8	Electives ²	8
Rec 360 ¹	4	Field recreation ³	6	Field recreation ³	6
Guid 305	4				
	16		17		18

¹Institutional recreation majors must contact the Department for a course to be substituted for this course. In addition, it is recommended that 203, 204, and 207 be selected as GSC requirements for the second level.

²Electives may be chosen from the department's brochure or with consent of the department.

³Must have consent of the department.

SECRETARIAL STUDIES

FALL	HOURS
GSA 101a	3
GSB 101b	3
GSC-1	3
GSD 101a	3
GSD 108a or 114a	3
GSE PE	1
FC 000	0
USAF	0
	<hr/> 16

GSA 201a	3
GSB 211a	3
GSC-2	3
GSE 201	3
USAF	1
Acct 251a	4
	<hr/> 17

GSA-3	3
Sec 241	1
Mgt 385	4
Mktg 225	3
Eng 300	4
	<hr/> 15

GSB-3	3
Sec 324a ¹	4
Sec 407	4
Mgt 372 or 373	4
	<hr/> 15

First Year

WINTER	HOURS
GSA 101b	3
GSB 101c	3
GSC-1	3
GSD 101b	3
GSD 108b or 114b	3
GSE PE	1
FC 000	0
USAF	0
	<hr/> 16

GSA 201b	3
GSB 211b	3
GSC-2	3
Econ 214	3
USAF	1
Acct 251b	4
	<hr/> 17

Third Year

GSA-3	3
Sec 341	4
Mgt 340	4
Mktg 325	4
	<hr/> 15

Fourth Year

GSC-3	3
Sec 324b	4
Mgt 361	3
Mgt 320	5
	<hr/> 15

SCHOOL OF BUSINESS

SPRING	HOURS
GSA 101c	3
GSB 101a	3
GSC-1	3
GSD 103	3
GSD 110	3
GSE PE	1
FC 000	0
USAF	1
	<hr/> 17

GSA 201c or 200	3
GSB 211c	3
GSC-2	3
Econ 215	3
USAF	0
Acct 251c	4
	<hr/> 16

GSB 311	3
Sec 304 ¹	3
Mgt 271	4
Mgt 371	4
Elective	2
	<hr/> 16

GSC-3	3
Sec 326	4
Mgt 481	3
Elective	6
	<hr/> 16

¹ Students who have not had elementary courses in typewriting and/or shorthand must take one or more of the following courses before taking Sec 304 or 324a: Sec 201a,b,c, 221a, b, c.

SMALL BUSINESS MANAGEMENT

FALL	HOURS
GSA 101a	3
GSB 101b	3
GSC 100 or 101	3
GSD 101a	3
GSD 108a or 114a	3
GSE PE	1
FC 000	0
USAF	0
	<hr/> 16

GSA 201a	3
GSB 211a	3
GSC-2	3
GSE 201	3
USAF	1
Acct 251a	4
	<hr/> 17

First Year

WINTER	HOURS
GSA 101b	3
GSB 101c	3
GSC 102	3
GSD 101b	3
GSD 108b or 114b	3
GSE PE	1
FC 000	0
USAF	0
	<hr/> 16

GSA 201b	3
GSB 211b	3
GSC-2	3
USAF	1
Acct 251b	4
Econ 214	3
	<hr/> 17

SMALL BUSINESS INSTITUTE

SPRING	HOURS
GSA 101c	3
GSB 101a	3
GSC 103	3
GSD 103	3
GSD 110	3
GSE PE	1
FC 000	0
USAF	1
	<hr/> 17

GSA 201c	3
GSB 211c	3
GSC-2	3
USAF	0
Acct 251c	4
Econ 215	3
	<hr/> 16

Third Year					
GSA-3	3	GSA-3	3	GSB-3	3
GSB-3	3			GSC-3	3
Mktg 225	3	GSC-3	3	Mktg 337	4
Mgt 371	4	Mktg 325	4	Mgt 320	5
Elective	3	Elective	6		
	16		16		15
Fourth Year					
Mgt 364 ¹	4-12	Mktg 333	4	Mgt 472	5
Mgt 340	4	Mgt 481	3	Mgt 360	5
		Mgt 327	4	Mgt 421	4
Electives	0-8	Electives	5	Elective	3
	16		16		17

¹Normally taken during summer quarter; fall quarter schedule adjusted accordingly.
Note: For some fields electives will be at least partially used for technical (non-business) courses related to the business interest, and in some cases it is desirable to start these courses prior to the third year. The Small Business Institute will work with General Studies advisers in such instances. Adequate preparation in some areas will require more than twelve quarters.

SOCIAL STUDIES

COLLEGE OF EDUCATION

First Year					
FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a	3	GSA 101b	3	GSA 101c	3
GSB 101b	3	GSB 101c	3	GSB 101a	3
GSC-1	3	GSC-1	3	GSC-1	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD Math	3	GSD Math	3	GSD 110	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
	16		16		17
Second Year					
GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB 201a	3	GSB 201c	3	GSB 201b	3
GSB 211a	3	GSB 211b	3	GSE 201	3
GSC-2	3	GSC-2	3	GSC-2	3
USAF	1	USAF	1	USAF	0
				Econ 214	3
Hist 201a	3	Hist 201b	3	Hist 201c	3
	16		16		16

The social studies field major consists of 96 hours in history, economics, government, sociology, and geography. Twenty-four hours must be in history, 24 in each of two other areas, and 12 in each of the remaining two areas. No minor is required. The history sequence and two other 24-hour sequences must be selected from the following five sequences.

- 1) History: GSB 101a,b, Hist 201a,b,c, 3 hours of world history, and 6 hours of American history.
 - 2) Economics: GSB 211a, Econ 214, 215, and 15 hours of electives.
 - 3) Government: GSB 211b,c, Govt 232, and 13 hours of electives.
 - 4) Sociology: GSB 201b, a third-level GSB course for 3 hours, and 18 hours of electives.
 - 5) Geography: GSB 101c, Geog 304, 306, 308, and 10 hours of electives.
- For third and fourth years, consult Dr. Claude Dykhouse, College of Education, Academic Advisement.

SOCIOLOGY (GENERAL)

COLLEGE OF LIBERAL ARTS AND SCIENCES

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1	3	GSA-1	3	GSA-1	3
GSB-1	3	GSB-1	3	GSB-1	3
GSC-1	3	GSC-1	3	GSC-1	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD 108a ¹	3	GSD 108b ¹	3	GSD 108c ¹	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
	16		16		17

Second Year

GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB 201a	3	GSB 201c	3	GSB 201b	3
GSC-2	3	GSC-2	3	GSC-2	3
GSD FL	3	GSD FL	3	GSD FL	3
GSE 201	3	Elective	4	Elective	4
USAF	1	USAF	1	USAF	0
	16		17		16

Third Year

GSA-3	3	GSA-3	3	Electives	16
GSB 321	3	GSB-3	3		
GSC-3	3	GSC-3	3		
Electives	6	Electives	7		
	15		16		16

Fourth Year

Soc 407	4	Soc 400	2	Soc 451	4
Soc 412	5				
Electives	3	Electives	4	Electives	4
	15		16		16

¹ Students who have had at least one and a half years of high school algebra should take Math 220 instead.

In selecting electives, the student should complete 42 hours of sociology courses whose second digit is not eight and should take a minor consisting of 24 hours.

SOCIOLOGY (SOCIAL WORK)

COLLEGE OF LIBERAL ARTS AND SCIENCES

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1	3	GSA-1	3	GSA-1	3
GSB-1	3	GSB-1	3	GSB-1	3
GSC-1	3	GSC-1	3	GSC-1	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD 108a ¹	3	GSD 108b ¹	3	GSD 108c ¹	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
	16		16		17

Second Year

GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB 201a	3	GSB 201c	3	GSB 201b	3
GSC-2	3	GSC-2	3	GSC-2	3
GSD FL	3	GSD FL	3	GSD FL	3
GSE 201	3	Elective	3	Elective	4
USAF	1	USAF	1	USAF	0
	16		16		16

Third Year					
GSA-3	3	GSA-3	3	Soc elective	3
GSB 321	3	GSB-3	3	Soc elective	3
GSC-3	3	GSC-3	3	Govt elective	3
Soc 380	4	Govt elective	4	Econ elective	3
Soc 383	4	Minor elective	4	Minor elective	4
	17		17		16
Fourth Year					
Soc 407	4	Soc 400	2	Soc 482	3
Soc 412	5	Soc 481	4	Electives	12
Electives	6	Electives	9		15
	15		15		15

¹Students who have had at least one and a half years of high school algebra should take Math 220 instead.

SPEECH

FALL	HOURS
GSA 101a	3
GSB 101b	3
GSC-1	3
GSD 101a	3
GSD Math or FL	3
GSE PE	1
FC 000	0
USAF	0
	16

GSA-2	3
GSB-2	3
GSC-2	3
GSE 201	3
USAF	1
Spch 102	4
	17

GSA-3	3
GSB 331	3
GSC-3	3
Guid 305	4
Spch 205	4
	17

Spch 306	4
Eng 391	4
Thea 402a	4
SEd	4
	16

First Year	HOURS
GSA 101b	3
GSB 101c	3
GSC-1	3
GSD 101b	3
GSD Math or FL	3
GSE PE	1
FC 000	0
USAF	0
	16

GSA-2	3
GSB 201c	3
GSC-2	3
USAF	1
Spch 202	3
Spch 103	4
	17

GSA-3	3
GSB-3	3
GSC-3	3
Spch 427	4
Education	4
	17

SpCr 428	4
Elective	3
Electives	6
Education	3
	16

COLLEGE OF EDUCATION

SPRING	HOURS
GSA 101c	3
GSB 101a	3
GSC-1	3
GSD 103	3
GSD Math or FL	3
GSE PE	1
FC 000	0
USAF	1
	17 or 18

GSA-2	3
GSB-2	3
GSC-2	3
USAF	0
Spch 209	1
Spch 200	4
Thea 111a, 111b, 111c	3
	17

Spch 408	4
R-T 367	3
Spch elective	4
Education	4
Thea 208	1
	16

Education 352	8 to 16
	8 to 16

48 hours are required in speech.

SPEECH

FALL	HOURS
GSA-1	3
GSB-1	3
GSC-1	3
GSD 101a	3
GSE PE	1
GSD 108a or FL	3
FC 000	0
USAF	0
	<hr/>
	16

GSA-2	3
GSB-2	3
GSC-2	3
GSE 201	3
Spch 102	4
USAF	1
	<hr/>
	17

GSA-3	3
GSB-3	3
GSC-3	3
Spch	4
Spch	4
	<hr/>
	17

Spch	8
Electives	8
	<hr/>
	16

SPEECH

FALL	HOURS
GSA-1	3
GSB-1	3
GSC-1	3
GSD 101a	3
GSD Math or FL	3
GSE PE	1
FC 000	0
USAF	0
	<hr/>
	16

GSA-2	3
GSB-2	3
GSC-2	3
USAF	1
Spch 102	4
Spch 201	2
	<hr/>
	16

COLLEGE OF LIBERAL ARTS AND SCIENCES

First Year

WINTER	HOURS
GSA-1	3
GSB-1	3
GSC-1	3
GSD 101b	3
GSE PE	1
GSD 108b or FL	3
FC 000	0
USAF	0
	<hr/>
	16

GSA-2	3
GSB-2	3
GSC-2	3
USAF	1
Spch 103	4
Spch 202	3
	<hr/>
	17

Third Year

GSA-3	3
GSB-3	3
GSC-3	3
Spch	4
Elective	4
	<hr/>
	17

Fourth Year

Spch	4
Electives	12
	<hr/>
	16

SPRING	HOURS
GSA-1	3
GSB-1	3
GSC-1	3
GSD 103	3
GSE PE	1
GSD 108c or FL	3
FC 000	0
USAF	1
	<hr/>
	17

GSA-2	3
GSB-2	3
GSC-2	3
USAF	0
Spch	4
Spch	4
	<hr/>
	17

Spch	4
Electives	12
	<hr/>
	16

Spch	4
Electives	12
	<hr/>
	16

SCHOOL OF COMMUNICATIONS

First Year

WINTER	HOURS
GSA-1	3
GSB-1	3
GSC-1	3
GSD 101b	3
GSD Math or FL	3
GSE PE	1
FC 000	0
USAF	0
	<hr/>
	16

GSA-2	3
GSB-2	3
GSC-2	3
GSE 201	3
USAF	1
Spch 103	4
Spch 209	1
	<hr/>
	18

SPRING	HOURS
GSA-1	3
GSB-1	3
GSC-1	3
GSD 103	3
GSD Math or FL	3
GSE PE	1
FC 000	0
USAF	1
	<hr/>
	17

GSA-2	3
GSB-2	3
GSC-2	3
USAF	0
Spch 200 or 104	4
Spch 202	3
	<hr/>
	16

T h i r d Y e a r					
GSA-3	.....	3	GSA-3	.....	3
GSB-3	.....	3	GSB-3	.....	3
GSC-3	.....	3	GSC-3	.....	3
Spch 213	.....	4	Spch 301	.....	4
Spch 205	.....	3	Spch electives	.....	4
		16			17
					16
F o u r t h Y e a r					
Spch 304	.....	3	Spch 413, 417, or 418 ..	4	
Spch 407	.....	4	Electives	.....	12
Electives	.....	10			16
		17			16
					8-16
					8-16

60 hours are required in Spch. 44 are specified above.

SPEECH (TEACHING)

SCHOOL OF COMMUNICATIONS

First Year					
FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a	3	GSA 101b	3	GSA 101c	3
GSB 101a	3	GSB 101b	3	GSB 101c	3
GSC-1	3	GSC-1	3	GSC-1	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD Math or FL	3	GSD Math or FL	3	GSD Math or FL	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
	16		16		17
Second Year					
GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB-2	3	GSB-2	3	GSB-2	3
GSC-2	3	GSC-2	3	GSC-2	3
GSE 201	3				
USAF	1	USAF	1	USAF	0
Spch 102	4	Spch 202	3	Spch 209	1
		Spch 103	4	Spch 200	4
				Thea 111a, 111b, or 111c	3
	17		17		17
Third Year					
GSA-3	3	GSA-3	3		
GSB 201c	3				
GSB-3	3	GSB-3	3	Spch 408	4
GSC-3	3	GSC-3	3	Spch elective	4
Spch 205	4	Spch 427	4	Education elective	4
		Guid 305	4	R-T 367	3
				Elective	2
	16		17		17

Fourth Year

Spch 306	4
Eng 391	4
SEd	4
Thea 402	4
	<hr/>
	16

SpCr 428	4
Education 331	3
Guid 422	3
Electives	6
	<hr/>
	16

Education 352 8 to 16

8 to 16

48 hours must be in speech.

SPEECH CORRECTION

COLLEGE OF EDUCATION AND
SCHOOL OF COMMUNICATIONS*First Year*

FALL	HOURS
FC 000	0
GSA-1	3
GSB-1	3
GSC-1	3
GSD 101a	3
GSD Math or FL	3
GSE PE	1
USAF	0
	<hr/>
	16

WINTER	HOURS
FC 000	0
GSA-1	3
GSB-1	3
GSC-1	3
GSD 101b	3
GSD Math or FL	3
GSE PE	1
USAF	0
	<hr/>
	16

SPRING	HOURS
FC 000	0
GSA-1	3
GSB-1	3
GSC-1	3
GSD 103	3
GSD Math or FL	3
GSE PE	1
USAF	1
	<hr/>
	17

Second Year

GSA-2	3
GSB 201a	3
GSC-2	3
USAF	1
SpCr 200	4
Eng 391	3
	<hr/>
	17

GSA-2	3
GSB 201c	3
GSC-2	3
GSE 201	3
USAF	1
Elective	4
	<hr/>
	17

GSA-2	3
GSB 201b	3
GSC-2	3
USAF	0
Guid 305	4
EEd	4
	<hr/>
	17

Third Year

GSA-3	3
GSB 331	3
GSC-3	3
SpCr 212	4
EEd	4
	<hr/>
	17

GSA-3	3
GSB-3	3
GSC-3	3
SpCr 318	4
Psyc 301	4
	<hr/>
	17

SpCr 415	4
SpCr 203	4
SpCr 319	4
SpEd 200-2 or	
414-4	2
	<hr/>
	14-16

Fourth Year

SpCr 405a	4
SpCr 406	4
Psyc 305	4
Guid 422	4
	<hr/>
	16

SpCr 405b	4
SpCr 412	4
SpCr 414	4
SpCr 419	4
	<hr/>
	16

SpCr 405c	4
Student Teaching	12
	<hr/>
	16

THEATER

SCHOOL OF COMMUNICATIONS

First Year

FALL	HOURS
GSA-1	3
GSB-1	3
GSC-1	3
GSD 101a	3
GSD Math or FL	3
GSE PE	1
FC 000	0
USAF	0
	<hr/>
	16

WINTER	HOURS
GSA-1	3
GSB-1	3
GSC-1	3
GSD 101b	3
GSD Math or FL	3
GSE PE	1
FC 000	0
USAF	0
	<hr/>
	16

SPRING	HOURS
GSA-1	3
GSB-1	3
GSC-1	3
Thea 106	4
GSD Math or FL	3
GSE PE	1
FC 000	0
USAF	1
	<hr/>
	18

Second Year		
GSA-2	3	
GSB-2	3	
GSC 203	3	
GSE-2	3	
USAF	1	
Thea 111	3	
	16	
GSA-2	3	
GSB-2	3	
GSC-2	3	
USAF	1	
Thea 111b	3	
Thea 204	4	
	17	
GSA-2	3	
GSB-2	3	
GSC-2	3	
GSD 103	3	
USAF	0	
Thea 207	4	
	16	
Third Year		
GSA-3	3	
GSB-3	3	
GSC-3	3	
Thea 402a	4	
Thea 311	4	
	17	
GSA-3	3	
GSB-3	3	
GSC-3	3	
Thea 313	4	
Thea 402b	4	
	17	
Thea 322	12	
	12	
Fourth Year		
Thea 305	2	
Thea electives	8	
Electives	6	
	16	
Thea 403	4	
Thea 438	4	
Eng 472	4	
Elective	4	
	16	

Total hours in theater: 67 to 75.

THEATER

FALL	HOURS
GSA-1	3
GSB-1	3
GSC-1	3
GSD 101a	3
GSD Math or FL	3
GSE PE	1
FC 000	0
USAF	0
	16
GSA-2	3
GSB-2	3
GSC 203	3
GSE 201	3
USAF	1
Thea 111a	3
	16
GSA-3	3
GSB-3	3
GSC-3	3
Thea 402a	4
Thea 311	4
	17
Electives	16
	16

First Year	
WINTER	HOURS
GSA-1	3
GSB-1	3
GSC-1	3
GSD 101b	3
GSD Math or FL	3
GSE PE	1
FC 000	0
USAF	0
	16
Second Year	
GSA-2	3
GSB-2	3
GSC 204, 205, or 206 ..	3
USAF	1
Thea 111b	3
Thea 204	4
	17
Third Year	
GSA-3	3
GSB-3	3
GSC-3	3
Thea 313	4
Electives	4
	17
Fourth Year	
Thea 414a	4
Electives	12
	16

COLLEGE OF EDUCATION

SPRING	HOURS
GSA-1	3
GSB-1	3
GSC-1	3
GSD Math or FL	3
GSE PE	1
FC 000	0
USAF	1
Thea 106	4
	18
GSA-2	3
GSB-2	3
GSC 201	3
GSD 103	3
USAF	0
Thea 208 or 308	1
Spch 205	3
	16
Electives	16
	16
Electives	16
	16

THEATER

COLLEGE OF LIBERAL ARTS AND SCIENCES

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1	3	GSA-1	3	GSA-1	3
GSB-1	3	GSB-1	3	GSB-1	3
GSC-1	3	GSC-1	3	GSC-1	3
GSD 101a	3	GSD 101b	3	Thea 106	4
GSD Math or FL	3	GSD Math or FL	3	GSD Math or FL	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
	<u>16</u>		<u>16</u>		<u>18</u>

Second Year

GSA-2	3	GSA-2	3	GSA-2	3
GSB-2	3	GSB-2	3	GSB-2	3
GSC 203	3	GSC-2	3	GSC-2	3
GSE-2	3			GSD 103	3
USAF	1	USAF	1	USAF	0
Thea 111a	3	Thea 111b	3	Thea 207	4
	<u>16</u>	Thea 204	4		<u>16</u>
			<u>17</u>		

Third Year

GSA-3	3	GSA-3	3		
GSB-3	3	GSB-3	3		
GSC-3	3	GSC-3	3		
Thea 402a	4	Thea 313	4	Thea 432	4
Thea 311	4	Eng 464	4	Thea 412	4
	<u>17</u>		<u>17</u>	Eng 461	4
				Spch 424	4
					<u>16</u>

Fourth Year

Eng 463	4	Thea 305	2	Thea 403	4
Electives	12	Thea electives	8	Thea 438	4
	<u>16</u>	Eng 471	4	Eng 472	4
		Electives *	2	Electives	4
			<u>16</u>		<u>16</u>

Total hours in theater 67 to 75.

ZOOLOGY

COLLEGE OF LIBERAL ARTS AND SCIENCES

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a (waive) ¹	3	GSA 101b (waive) ¹	3	GSA 101c (waive) ¹	3
GSB 101b	3	GSB 101c	3	GSB 101a	3
GSC-1	3	GSC-1	3	GSC-1	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD 108a or 114a	3	GSD 108b or 114b	3	GSD 108c or 114c	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
	<u>16</u>		<u>16</u>		<u>17</u>

¹Students with good high school background should waive GSA-1 and begin chemistry requirement.

Second Year					
GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB 201a ²	3	GSB 201c ²	3	GSB 201b ²	3
GSD FL	3	GSD FL	3	GSD FL	3
GSE 201	3				
GSC-2	0	GSC-2	3	GSC-2	3
USAF	1	USAF	1	USAF	0
Chem 111a	5	Chem 111b	5	Chem 111c	5
	18		18		17

² recommended sequence; not required, GSB 211a,b,c acceptable.

Third Year					
GSB-3	3	GSB-3	3	GSC-3	3
Zool 102	5	GSC-3	3	Zool 202	5
		Zool 103	5	Zool 310	5
Minor	5	Minor	5	Minor	4
Elective	3				
	16		16		17

Fourth Year					
GSA-3	3	GSA-3	3		
Zool 300	5	Zool 401	5		
Zool 382a	1/2	Zool 382b	1/2	Zool 382c	1/2
Minor	5	Minor	5	Minor	0
Major	4	Major	4	Major	4
				Electives	14
	17 1/2		17 1/2		18 1/2

Zoology majors are required to have three quarters in either botany or physics and one of the following courses: Zool 303, 306, 406, 408, 461, 465.

Carbondale Campus Preprofessional Programs

PHYSICAL THERAPY (PREPROFESSIONAL)

COLLEGE OF LIBERAL ARTS AND SCIENCES

First Year					
FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a	3	GSA 101b	3	GSA 101c	3
GSB 101b	3	GSB 101c	3	GSB 101a	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD 114a	3	GSD 114b	3	GSD 114c	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
	13		13		14
Second Year					
GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB 201a	3	GSB 201c	3	GSB 201b	3
GSC-1	3	GSC-1	3	GSC-1	3
GSE 201	3				
USAF	1	Elective	3	USAF	0
Elective	3	USAF	1	Phsl 301	4
		Phsl 300	4	Psyc 307	4
	16		17		17

Third Year

Phsl 315a	5	Phsl 315b	5	Phsl 315c	5
GSC-2	3	GSC-2	3	GSC-2	3
GSB-3	3	GSB-3	3	Chem 111c	5
Chem 111a	5	Chem 111b	5	Elective	5
	<u>16</u>		<u>16</u>		<u>18</u>

Fourth Year

GSA-3 (bioscience)	3	GSA-3 (bioscience)	3	Physical Educ	6
GSC-3	3	GSC-3	3		

Students may apply to a professional school after two years. Two years will then be taken in the professional school. If the student applies after three years of college, he will attend the professional school for one year only. The undergraduate course should be especially heavy in anatomy, physiology, physical education, and psychology. Students seeking a bachelor's degree should consult the premedical adviser.

PREDENTAL (PREPROFESSIONAL) COLLEGE OF LIBERAL ARTS AND SCIENCES

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1 (waive)	0	GSA-1 (waive)	0	GSA-1 (waive)	0
GSB 101b	3	GSB 101c	3	GSB 101a	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD 114a	3	GSD 114b	3	GSD 114c	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
Chem 111a	5	Chem 111b	5	Chem 111c	5
	<u>15</u>		<u>15</u>		<u>16</u>

Second Year

GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB-2	3	GSB-2	3	GSB-2	3
GSC-1	3	GSC-1	3	GSC-1	3
GSD FL	3	GSD FL	3	GSD FL	3
USAF	1	USAF	1	USAF	0
Chem 305a	4	Chem 305b	4	Chem 235	5
	<u>17</u>		<u>17</u>		<u>17</u>

Third Year

GSA-3 (bioscience) 3-5		GSA-3 (bioscience) 3-5		GSC-2	3
GSB-3	3	GSB-3	3	Bioscience	3-5
GSC-2	3	GSC-2	3	GSE 201	3
Phys 206a	5	Phys 206c	5	Phys 206b	5
	<u>16</u>		<u>16</u>		<u>16</u>

Fourth Year

GSC-3	3	GSC-3	3
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The major should be completed in the fourth year. The student may elect any major in the College of Liberal Arts and Sciences.

The six courses listed above in chemistry constitute a minor for predental students. The student should take the Dental Achievement Test in the spring of his junior year, if he stays four years.

Total minimum required hours are 192, of which 64 must be on the 300 or 400 level.

PRE-ENGINEERING (PREPROFESSIONAL)

SCHOOL OF TECHNOLOGY

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1 (waive)	0	GSA-1 (waive)	0	GSA-1 (waive)	0
GSB-1	3	GSB-1	3	GSB-1	3
		GSC-1	3		
GSD 101a	3	GSD 101b	3	GSD 103	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
				USAF 110	1
USAF 100a	0	USAF 100a	0	USAF 100A	0
Chem 111a	5	Chem 111b	5	Chem 111c	5
Math 150a	5	Math 150b	5	Math 252a	5
	17		20		18

Second Year

GSA-2	3	GSA-2	3	GSA-2	3
GSB-2	3	GSB-2	3	GSB-2	3
GSC-2	3	GSC-2	3	GSC-1	3
		GSC-1	3	GSC-2	3
USAF 210	1	USAF 220	1	GSE 201	3
USAF 200A	0	USAF 200A	0	USAF 200A	0
Phys 211a	5	Phys 211c	5	Phys 211b	5
Math 252b	4				
	19		18		20

Students in this program should consult with Marvin Johnson of the School of Technology.

PRELAW (PREPROFESSIONAL)

COLLEGE OF LIBERAL ARTS AND SCIENCES

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a	3	GSA 101b	3	GSA 101c	3
GSB 101b	3	GSB 101c	3	GSB 101a	3
GSC-1	3	GSC-1	3	GSC-1	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD 108a or FL	3	GSD 108b or FL	3	GSD 108c or FL	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
	16		16		17

Second Year

GSA 201a	3	GSA 201c	3	GSA 201b	3
GSB 201a or 211a ¹	3	GSB 201c or 211b	3	GSB 201b or 211c ¹	3
GSC-2	3	GSC-2	3	GSC-2	3
GSD Math or FL	3	GSD Math or FL	3	GSD Math or FL	3
				GSE 201	3
USAF	1	USAF	1	USAF	0
Govt 231 or		Govt 232 or		Hist 210a or 201c ¹	3
Hist 201a ¹	5 or 3	Hist 201b ¹	5 or 3		
	16-18		16-18		18

¹One who elects GSB 201a,b,c should also elect Govt 231, 232, Hist 201a. One who elects GSB 211a,b,c should also elect Hist 201a,b,c.

Third and Fourth Years

GSA-3	6	GSB-3	6	GSC-3	6
Acct 250 or 251a,b,c					

A Pre-law student should have a major. The choice of major will determine what should be taken.

PREMEDICAL TECHNOLOGY (PREPROFESSIONAL)

COLLEGE OF LIBERAL ARTS AND SCIENCES

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1 (waive)	0	GSA-1 (waive)	0	GSA-1 (waive)	0
GSB 101b	3	GSB 101c	3	GSB 101a	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD 114a	3	GSD 114b	3	GSD 114c	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
Chem 111a	5	Chem 111b	5	Chem 111c	5
	15		15		16

Second Year

GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB 201a	3	GSB 201c	3	GSB 201b	3
GSC-1	3	GSC-1	3	GSC-1	3
		GSE 201	3		
USAF	1	USAF	1	USAF	0
Chem 305a	4	Chem 305b	4	Chem 235	5
Phsl 300	4			Elective	4
	18		17		18

Third Year

GSB-3	3	GSB-3	3		
GSC-2	3	GSC-2	3	GSC-2	3
Phys 206a	5	Phys 206c	5	Phys 206b	5
Phys 315a	5	Phsl 315b	5	Phsl 315c	5
	16		16	Elective	5
					18

Fourth Year

GSA-3	3	GSA-3	3	Electives	
GSC-3	3	GSC-3	3		

NOTE:

Complete the major in the fourth year. Take courses in microbiology and biochemistry. Elect any major in the College of Liberal Arts and Sciences.
a major if desired.

The six courses listed above in chemistry constitute a minor. It may be converted to a major, if desired.

Total minimum hours required for graduation are 192, of which 64 must be on the 300 or 400 level.

Two GSA-3 biology courses are needed. See adviser to fit them into program.

PREMEDICINE (PREPROFESSIONAL)

COLLEGE OF LIBERAL ARTS AND SCIENCES

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1 (waive)	0	GSA-1 (waive)	0	GSA-1 (waive)	0
GSB 101b	3	GSB 101c	3	GSB 101a	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD 114a	3	GSD 114b	3	GSD 114c	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
Chem 111a	5	Chem 111b	5	Chem 111c	5
	15		15		16

Second Year					
GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB 201a	3	GSB 201c	3	GSB 201b	3
GSC-1	3	GSC-1	3	GSC-1	3
GSD FL	3	GSD FL	3	GSD FL	3
USAF	1	USAF	1	USAF	0
Chem 305a	4	Chem 305b	4	Chem 235	5
	17		17		17

Third Year					
GSC-2	3	GSC-2	3	GSB-3	3
GSE 201	3			GSC-2	3
Phys 206a	5	Phys 206c	5	Phys 206b	5
Zool 103	5	Zool 202	5	Zool 300	5
		Elective	3		
	16		16		16

Fourth Year					
GSA-3	3	GSA-3	3		
GSB-3	3	GSC-3	3	GSC-3	3

NOTE:
The major should be completed in the fourth year. The student may elect any major in the College of Liberal Arts and Sciences.
The six courses listed above in Chemistry constitute a minor.
The student should take the Medical Achievement Test in May of his junior year, if he stays four years.
Total minimum required hours are 192, of which 64 must be on the 300 or 400 level.

PRE-OCCUPATIONAL THERAPY COLLEGE OF LIBERAL ARTS AND SCIENCES

First Year					
FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a	3	GSA 101b	3	GSA 101c	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD Math or FL	3	GSD Math or FL	3	GSD Math or FL	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
Art 100	6	Art 100	6	Art 100	6
	16		16		17

Second Year					
GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB 101b	3	GSB 101c	3	GSB 101a	3
GSB 201a	3	GSB 201c	3	GSB 201b	3
USAF	1	USAF	1	USAF	0
IEd 112	4	IEd 303	4	HEd 300	3
C&T (clothing selection) ¹	4	Phsl 200 or orientation	3	C&T 331	3
	18		17	Elective	3

Third Year					
Phsl 315a	5	Phsl 315b	5	Phsl 315c	5
Psyc 305	4	Phsl 300	4	PE 303	5
IEd 301	4	Psyc 307	4	PE 304	1-2
Art 385 or 302 ³	4	Art 203 or 385 ³	4	Electives ²	5-7
	17		17		16-19

¹To be taken only if student has no prior training.
²See adviser at Southern for recommended electives.
³Art 302 can be substituted for 203. It should then be taken in the fall and 385 in the winter.

Fourth Year

The student will transfer to the University of Illinois professional colleges in Chicago at the beginning of his fourth year. The degree will be conferred by that University.

PREPHARMACY (PREPROFESSIONAL)

COLLEGE OF LIBERAL ARTS AND SCIENCES

First or Preprofessional Year

Pharmacy is a five-year program. The first, or preprofessional year may be taken at Southern Illinois University. The applicant from Southern should have a 3.5 average and take no fewer than 45 hours of work in the College of Liberal Arts and Sciences.

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1 (waive)	0	GSA-1 (waive)	0	GSA-1 (waive)	0
GSB 101b	3	GSA 101c	3	GSB 101a	3
GSC-1	3	GSC-1	3	GSC-1	3
GSD 114a	3	GSD 114b	3	GSD 114c	3
GSD 101a	3	GSD 101b	3	GSD 103	3
Chem 111a	5	Chem 111b	5	Chem 111c	5
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
	17		17		17

Applicants are generally advised against taking more than one year here, because advanced standing for more than one year will usually not be granted by a School of Pharmacy. There are some exceptions to this statement. The St. Louis College of Pharmacy requires two years of preprofessional work. Any applicant for that program should consult the premedical adviser and obtain the recommended two-year curriculum guide at Southern.

Additional summer training in the biological sciences is urged, and some pharmacy schools require it. Please consult the premedical adviser.

PRETHEOLOGY

COLLEGE OF LIBERAL ARTS AND SCIENCES

The American Association of Theological Schools regards the following as a minimum list of fields of study that a student should have before beginning study in a seminary. These suggestions should be useful to anyone planning a religious vocation, whatever his religious tradition. The work in these fields should be evaluated on the basis of his mastery of these fields rather than in terms of quarter hours. In order that this recommendation may help the student faced with the practical problem of selecting courses, however, it is suggested that he take approximately three-fourths of his college work in the following specific areas. (Courses offered at Southern Illinois University which should be particularly useful in supplying this background are in parentheses.) English literature, composition, speech, and related studies—at least 24 quarter hours.

(English 309-310, 365, 390 and 391; Journalism 393; Speech 303; as well as several GSC and GSD courses, such as GSC 209, 345).

History, especially European and American—at least 12 quarter hours. (History 101-102-103, 311 and 416).

Philosophy, orientation in its history, content, and method—at least 12 quarter hours. (GSC 102, 207-208, 310-311-312, 381-382-383, and Philosophy 301).

Natural Sciences, preferably physics, chemistry, and biology—at least 9 quarter hours. (GSA 101-102-103, 200, 201-202-203).

Social Studies, including psychology, sociology, economics, government, anthropology, and education—at least 24 quarter hours. (GSB 101-102-103, 201-202-203, 211-212-213, 303; Psychology 305; Sociology 241, 320, 351, 380, 484; Education 355; and Anthropology 400 and 409).

Foreign Languages. One or more of the following: Latin, Greek, Hebrew, German, French—at least 18 quarter hours. (GSD, Elementary Greek, 130-131-132).

Religion. The pretheology student may well seek counsel of the seminary of his choice in order to use the resources of his college most profitably. Attention is also called to religion courses offered for credit by the off-campus foundations and to the courses in philosophy of religion, sociology of religion, and world religion offered on campus.

PREVETERINARY (PREPROFESSIONAL)

COLLEGE OF LIBERAL ARTS AND SCIENCES

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA-1 (waive)	0	GSA-1 (waive)	0	GSA-1 (waive)	0
GSB 101b	3	GSB 101c	3	GSB 101a	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD 114a	3	GSD 114b	3	GSD 114c	3
GSE PE	1	GSE PE	1	GSE PE	1
FC 000	0	FC 000	0	FC 000	0
USAF	0	USAF	0	USAF	1
Chem 111a	5	Chem 111b	5	Chem 111c	5
	<u>15</u>		<u>15</u>		<u>16</u>

Second Year

GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB 201a	3	GSB 201c	3	GSB 201b	3
GSC 100 or 101	3	GSC 102	3	GSC 103	3
GSD FL	3	GSD FL	3	GSD FL	3
USAF	1	USAF	1	USAF	0
Chem 305a	4	Chem 305b	4	Chem 235	5
	<u>17</u>		<u>17</u>		<u>17</u>

Third Year

GSA-3	3	GSA-3	3	GSC-2	3
GSB-3	3			GSE 201	3
GSC-2	3	GSC-2	3	Phys 206b	5
Phys 206a	5	Phys 206c	5	Electives	6
Elective	3	Electives	6		
	<u>17</u>		<u>17</u>		<u>17</u>

Fourth Year

GSC-3	3	GSC-3	3	GSB-3	3
Electives		Electives		Electives	

Complete the major in the fourth year. The student may elect any major in the College of Liberal Arts and Sciences.

The six courses listed above in Chemistry constitute a minor.

Total minimum required hours are 192, of which 64 must be on the 300 or 400 level.

Edwardsville Campus

UNDECIDED

FALL	HOURS
GSA 101a	3
GSB 101a	3
GSC 151	3
GSD 101a	3
GSE PE	1
Elective	3
	<hr/> 16

GSA 201a	3
GSB 201a or 211a	3
GSC 251a	3
GSD Math or FL	3
GSE 201	3
	<hr/> 15

First Year	
WINTER	HOURS
GSA 101b	3
GSB 101b	3
GSC 152	3
GSD 101b	3
GSE PE	1
Elective	3
	<hr/> 16

Second Year	
GSA 201b or 200	3
GSB 201b or 211b	3
GSC 251b or 251c	3
GSD Math or FL	3
Elective	3
	<hr/> 15

EDWARDSVILLE CAMPUS

SPRING	HOURS
GSA 101c	3
GSB 101c	3
GSC 100 or 101	3
GSD 103	3
GSE PE	1
Elective	3
	<hr/> 16

GSA 201c or 200	3
GSB 201c or 211c	3
GSC 251b, 251c, 203, or 255	3
GSD Math or FL	3
Elective	3
	<hr/> 15

Third and Fourth Years

Select concentration by end of second year and complete requirements of the particular concentration selected.
Complete 6 hours of 300-level GS courses in each of the Areas A, B, and C.

ACCOUNTING

(For students who matriculated in or subsequent to September, 1962)

FALL	HOURS
GSA 101a	3
GSC 100 or 101	3
GSD 101a	3
GSD 114a ¹	3
GSE PE	1
Mgt 170	4
	<hr/> 17

GSA 201a	3
GSB 211c	3
GSC 251a	3
Acct 251a	4
Econ 210	5
	<hr/> 18

Third Year	
GSA-3	3
GSB-3	3
Acct 351a	4
Mgt 371	4
	<hr/> 14

First Year	
WINTER	HOURS
GSA 101b	3
GSB 211a	3
GSC 152	3
GSD 101b	3
GSD 114b	3
GSE PE	1
	<hr/> 16

Second Year	
GSA 201b	3
GSB 311	3
GSC 251b	3
Acct 251b	4
Mgt 271	4
	<hr/> 17

GSA-3	3
GSC-3	3
Acct 341	3
Acct 351b	4
Mgt 340	4
	<hr/> 17

BUSINESS DIVISION

SPRING	HOURS
GSA 101c	3
GSB 211b	3
GSC 151	3
GSD 103	3
GSD 114d	3
GSE PE	1
	<hr/> 16

GSA 200	3
GSC 251c	3
GSE 201	3
Acct 251c	4
Mktg 230	5
	<hr/> 18

GSC-3	3
Acct 351c	4
Acct 442	4
Mgt 372 or 373	4
	<hr/> 15

Fourth Year

Acct 331	5	Acct 355-3, 432-4,		Acct 356	5
Econ 315	4	458-4, or 461-4	3-4	Electives	10
Mgt 320	5	Electives	12-11		
	14		15		15

No specific 300-level GS courses are suggested at this time. The student should consult his adviser.

¹ One who does not qualify for this course should take Math 100-0.

ART (B.A.)

FINE ARTS DIVISION

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a	3	GSA 101b	3	GSA 101c	3
GSB 101a	3	GSB 101b	3	GSB 101c	3
GSD 101a or 103	3	GSD 101b, 103, or 101a	3	GSD 103 or 151b	3
GSE PE	1	GSE PE	1	GSE 201	3
Art 100	5	Art 100	5	Art 100	5
	15		15		17

Second Year

GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB 201a or 211a	3	GSB 201b or 211b	3	GSB 201c or 211c	3
GSC 251a	3	GSC 251b, 203, or		GSC 251c, 203, or	
Art 201	4	255 or 251c	3	255 or 251b	3
Art 203	4	Art 201	4	Art 324, 310, 300,	
PE	1	Art 203	4	305, 358 (any 2)	8
	18		17		17

Third Year

GSA-3	3	GSA-3	3		
GSC 351	4	GSC 352	4	GSC 353	4
GSD FL	3	GSD FL	3	GSD FL	3
Art	4	Art	4	Art	4
Art	4	Art	4	Elective	4
	18		18		15

Fourth Year

GSB-3	3	GSB-3	3		
Electives	12	Electives	12	Electives	12
	15		15		12

ART EDUCATION (B.S. EDUCATION)

EDUCATION OR FINE ARTS DIVISION

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a	3	GSA 101b	3	GSA 101c	3
GSB 101a	3	GSB 101b	3	GSB 101c	3
GSD 101a or 103	3	GSD 101b, 103, or 101a	3	GSD 103 or 101b	3
GSE PE	1	GSE PE	1	GSE 201	3
Art 100	5	Art 100	5	Art 100	5
	15		15		17

Second Year

GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB 201a or 211a	3	GSB 201b or 211b	3	GSB 201 or 211c	3
GSC 251a	3	GSC 251b, 203, 255,		GSC 251c, 203, 255,	
Art 201	4	or 251c	3	or 251b	3
Art 203	4	Art 201	4	Art 324, 310, 300,	
GSE PE	1	Art 203	4	305, 358 (any 2)	8
	18		17		17

Third Year

GSA-3	3
GSC 351	4
GSD Math or FL	3
Art	4
Art	4
	<u>18</u>

GSA-3	3
GSC 352	4
GSD Math or FL	3
Art	4
Art 365	4
	<u>18</u>

GSB 331	3
GSC 353	4
GSD Math or FL	3
Art	4
Guid 305	4
	<u>18</u>

Fourth Year

GSB-3	3
EdAd 355	4
Guid 422	4
Art	4
	<u>15</u>

IM 417	4
EdS 352	8
Electives	4
	<u>16</u>

Electives	12
	<u>12</u>

BIOLOGY (WITH CHEMISTRY)

SCIENCE AND TECHNOLOGY DIVISION

First Year

FALL	HOURS
GSA 101a	3
GSA 201a	3
GSB 101a	3
GSD 101a	3
GSE PE	1
Chem 111a	5
	<u>18</u>

WINTER	HOURS
GSA 101b	3
GSA 201b	3
GSB 101b	3
GSD 101b	3
GSE PE	1
Chem 111b	5
	<u>18</u>

SPRING	HOURS
GSA 201c	3
GSB 101c	3
GSD 103	3
GSE PE	1
Chem 111c	5
	<u>15</u>

Second Year

GSB 201a or 211a	3
GSC 151	3
GSD FL	3
Chem 336a	4
Bot 101	5
	<u>18</u>

GSB 201b or 211b	3
GSC 152	3
GSD FL	3
GSD Math	3
Bot 202	5
	<u>17</u>

GSB 201c or 211c	3
GSC 101	3
GSD FL	3
GSD Math	3
Zool 102	5
	<u>17</u>

Third Year

GSC 251a	3
GSD Math	3
Zool 103	5
Chem 341a	4
	<u>15</u>

GSA 358a	3
GSB-3	3
GSC 251b or 251c	3
Zool 310	5
Chem 341b	5
	<u>19</u>

GSA 358b	3
GSB-3	3
GSC 251c, 251b, 203, or 255	3
GSE 201	3
Zool 401	5
	<u>17</u>

Fourth Year

GSC-3	3
Phsl (305, 320 or 359) ..	5
Electives	7
	<u>15</u>

GSC-3	3
Electives	12
	<u>15</u>

Electives	15
	<u>15</u>

BOTANY (WITH CHEMISTRY)

SCIENCE AND TECHNOLOGY DIVISION

First Year

FALL	HOURS
GSA 101a	3
GSA 201a	3
GSB 101a	3
GSD 101a	3
GSE PE	1
Chem 111a	5
	<u>18</u>

WINTER	HOURS
GSA 101b	3
GSA 201c	3
GSB 101b	3
GSD 101b	3
GSE PE	1
Chem 111b	5
	<u>18</u>

SPRING	HOURS
GSA 201b	3
GSB 101c	3
GSD 101c	3
GSE PE	1
Chem 111c	5
	<u>15</u>

Second Year					
GSB 201a or 211a	3	GSB 201b or 211b	3	GSB 201c or 211c	3
GSC 151	3	GSC 152	3	GSC 101	3
GSD FL	3	GSD FL	3	GSD FL	3
		GSD Math	3	GSD Math	3
Bot 101	5	Bot 202	5	Bot 203	5
Chem 336	4				
	18		17		17
Third Year					
		GSA 358a	3	GSA 358b	3
GSC 251a	3	GSC 251b or 251c	3	GSC 251c or 251b or	
				203 or 255	3
GSD Math	3			GSE 201	3
Bot 310	5	Bot 320	5		
Chem 341a	4	Chem 341b	5	Electives	7
	15		16		16
Fourth Year					
GSB-3	3	GSB-3	3		
GSC-3	3	GSC-3	3		
Electives	9	Electives	9	Electives	15
	15		15		15

BUSINESS EDUCATION

BUSINESS DIVISION

(Secretarial Studies and Office Management)

(For students who matriculated in or subsequent to September, 1962)

First Year								
FALL		HOURS	WINTER		HOURS	SPRING		HOURS
GSA	101a	3	GSA	101b	3	GSA	101c	3
			GSB	211a	3	GSB	211b	3
GSC	100 or 101	3	GSC	152	3	GSC	151	3
GSD	101a	3	GSD	101b	3	GSD	103	3
GSD	114a ¹	3	GSD	114b	3	GSD	114d	3
GSE	PE	1	GSE	PE	1	GSE	PE	1
Mgt	170 ²	4						
		17			16			16
Second Year								
GSA	201a	3	GSA	201b	3	GSA	200	3
GSB	211c	3	GSB	311	3			
GSC	251a	3	GSC	251b	3	GSC	251c	3
						GSE	201	3
Acct	251a	4	Acct	251b	4	Acct	251c	4
Bus Ed	221a	4	Bus Ed	221b	4	Bus Ed	221c	4
		17			17			17
Third Year								
GSA-3		3	GSA-3		3			
GSC-3		3	GSC-3		3	GSB	331	3
Bus Ed	241	2	Bus Ed	304	3	Econ	210	5
Bus Ed	324a	4	Bus Ed	324b	4	Guid	305	4
EdS	315	4	Bus Ed	404	3	Mgt	271	4
		16			16			16

No specific 300-level GS courses are suggested at this time. The student should consult his adviser.

¹ One who does not qualify for this course should take Math 100-0.

² Students who do not demonstrate adequate competency to enroll in Bus Ed 304, Typewriting IV, should take Bus Ed 201-9 during the first year. (See Divisional Announcements bulletin for competency requirements.)

Fourth Year

Bus Ed 403	3	Bus Ed 427	3	Ed S 352	8
Bus Ed 411	4	Bus Ed 407	4	Guid 422	4
		Bus Ed 408	3		
Mgt 371	4	Ed Ad 355	4		
Mktg 230	5	IM 417	4	Mktg 331 or 333	4
	16		18		16

CHEMISTRY (WITH MATHEMATICS)

SCIENCE AND TECHNOLOGY DIVISION

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSB 101a	3	GSB 101b	3	GSB 101c	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSE PE	1	GSE PE	1	GSE PE	1
Chem 111a	5	Chem 111b	5	Chem 111c	5
Math 111a	5	Math 111b	5	Math 150a	4
	17		17		16

Second Year

GSC 151	3	GSC 152	3	GSC 101	3
Chem 336a	4	Chem 336b	4	Chem 336c	4
Math 150b	4	Math 252a	4	Math 252b	4
				Math 305	3
Phys 211a	5	Phys 211b	5	Phys 211c	5
	16		16		19

Third Year

GSA 201a	3	GSA 201b	3	GSA 201c	3
GSC 251a	3	GSC 251b or 251c	3	GSC 251c or 251b or	
GSD 126a	3	GSD 126b	3	203 or 255	3
		GSE 201	3	GSD 126c	3
Chem 341a	4	Chem 341b	5	Electives ¹	3
Phys 300	5			Chem 341c	5
	18		17		17

Fourth Year

GSA-3	3	GSA-3	3	GSB 201c or 211c	3
GSB 201a or 211a	3	GSB 201b or 211b	3		
GSB-3	3	GSB-3	3	Electives	7
GSC-3	3	GSC-3	3	Chem 461c	4
Chem 461a	4	Chem 461b	4	Chem 375	1
Chem 375	1	Chem 375	1		15
	17		17		

¹ 10 hours of electives should be chosen from Chem 311, 396, 412, 432, 446, or 490 to qualify as a professional chemist.

ECONOMICS

BUSINESS DIVISION

(For students who matriculated in or subsequent to September, 1962)

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a	3	GSA 101b	3	GSA 101c	3
		GSB 211a	3	GSB 211b	3
GSC 100 or 101	3	GSC 152	3	GSC 151	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD 114a ¹	3	GSD 114b	3	GSD 114d	3
GSE PE	1	GSE PE	1	GSE PE	1
Mgt 170 ²	4				
	17		16		16

Second Year					
GSA 201a	3	GSA 201b	3	GSA 200	3
GSB 211c	3	GSB 311	3		
GSC 251a	3	GSC 251b	3	GSC 251c	3
				GSE 201	3
Acct 251a	4	Acct 251b	4	Acct 251c	4
Econ 210	5	Mgt 271 ²	4	Mktg 230	5
	18		17		18

Third Year					
GSA-3	3	GSA-3	3		
GSB-3	3				
GSC-3	3	GSC-3	3	Econ 310	4
				Econ 330	4
Econ 315	4	Econ 440	4	Econ 441	4
Mgt 371	4	Mgt 320	5	Mgt 340	4
	17		15		16

Fourth Year					
Econ 470	3	Econ 328	4	Econ 418	4
		Econ 481	3	Econ 450	3
Mgt 380	4	Mgt 473	4		
Electives	8	Electives	3	Electives	6
	15		14		13

No specific third level courses are suggested at this time. The student should consult his adviser.

¹One who does not qualify for this course should take Math 100-0.
²The student concentrating in economics is not required to take Mgt 170-4 or Mgt 271-4. He should consult with an economics faculty adviser as to whether he should take either of these courses.

EARLY CHILDHOOD EDUCATION

EDUCATION DIVISION

First Year					
FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a	3	GSA 101b	3	GSA 101c	3
GSB 101a	3	GSB 101b	3	GSB 101c	3
GSC 100 or 101	3				
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD 112a	3	GSD 112b	3	GSD 112c	3
GSE PE	1	GSE PE	1	GSE PE	1
		Mus 040 (or proficiency)	1	Mus 040 (or proficiency)	1
		Elective	2	Elective	2
	16		16		16

Second Year					
GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB 201a	3	GSB 201b	3	GSB 201c	3
GSC 251a	3	GSC 251b	3	GSC 251c	3
GSE 201	3	GSB 331	3	Govt 210	4
Mus 040 (or proficiency)	1	Elective	4	EdEl 203	3
GSB-3	3				
	16		16		16

Third Year					
Guid 305	4	SpEd 428	4	Math 210	4
Art 300	4	EdEl 316	4	EdEl 337	4
PEW 350	4	GSC-3 (Lang. Arts)	3	GSC-3	3
EdAd 355	4	Mus 200	3	Art 300	4
	16	Eng 391	3		15
			17		

Fourth Year

IM 417	4	GSA-3 (Nat. Sci.)	3	Student Teaching	4
GSA-3 (Nat. Sci.)	3	Hist 201	4	EdEl 313	4
Mus 300	3	Student Teaching	8	Educ. elective	9
Elective	6				
	16		15		17

ELEMENTARY EDUCATION

First Year

FALL	HOURS	WINTER	HOURS
GSA 101a	3	GSA 101b	3
GSB 101a	3	GSB 101b	3
GSC 100	3	GSC 101	3
GSD 101a	3	GSD 101b	3
GSD 112a	3	GSD 112b	3
GSE PE	1	GSE PE	1
	16		16

Second Year

GSA 201a	3	GSA 201b	3
GSB 201a	3	GSB 201b	3
GSC 251a	3	GSC 251b	3
		GSB 331	3
Electives	7	Elective	4
	16		16

Third Year

Guid 305	4	Educ. Elective	4
Art 300	4	EdEl 314	4
PEW 350	4	GSC-3 (Lit.)	3
EdAd 355	4	Mus 200	3
		Eng 391	3
	16		17

Fourth Year

IM 417	4	GSA-3 (Nat. Sci.)	4
GSA-3 (Nat. Sci.)	3	elective	4
elective	3	Hist 201	4
Music 300	3	EdEl 313	4
GSB-3	6	Educ. elective	4
	16		16

ENGLISH

First Year

FALL	HOURS	WINTER	HOURS
GSA 101a	3	GSA 101b	3
GSB 101a	3	GSB 101b	3
GSC 152	3	GSC 100 or 101	3
GSD 101a	3	GSD 101b	3
GSD FL &		GSD FL &	
conversation	4	conversation	4
GSD 112a (optional) (3)		GSD 112b (optional) (3)	
GSE PE	1	GSE PE	1
	17		17

EDUCATION DIVISION

SPRING	HOURS
GSA 101c	3
GSB 101c	3
GSE 201	3
GSD 103	3
GSD 112c	3
GSE PE	1
	16

GSA 201c	3
GSB 201c	3
GSC 251c	3
Govt 210	4
EdEl 203	3
	16

Math 210	4
EdEl 337	4
Art 300	4
GSC-3	3
	15

Student Teaching	8
Educ. electives	6
Elective	2
	16

HUMANITIES DIVISION

SPRING	HOURS
GSA 101c	3
GSB 101c	3
GSC 151	3
GSD 103	3
GSD FL &	
conversation	4
GSD 112c (optional) (3)	
GSE PE	1
	17

Second Year

GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB 201a or 211a	3	GSB 201b or 211b	3	GSB 201c or 211c	3
GSC 251a	3	GSC 251b	3	GSC 251c	3
GSE 201	3	Elective	3	Elective	3
FL 201a and 220	5	FL 201b and 220	5	FL 201c and 220	5
	17		17		17

Third Year

Eng 302a	4	Eng 302b	4	Eng 302c	4
Eng 300	4	Eng 309a	4	Eng 309b	4
GSA-3	3	GSA-3	3	Electives	9
GSB-3	3	GSB-3	3		
GSC-3	3	GSC-3	3		
	17		17		17

Fourth Year

Eng 365	4	Eng 499	2	Eng electives	8
Eng electives	4	Eng electives	4	Electives	9
Electives	9	Electives	11		
	17		17		17

FOREIGN LANGUAGES

FALL	HOURS
GSA 101a	3
GSB 101a	3
GSC 152	3
GSD 101a	3
GSE PE	1
GSD 123a, 126a, 136a, or 140a ¹	3
Fr 123Ca, Ger 126Ca, Russ 136Ca, or Span 140Ca ²	1
	17

First Year

WINTER	HOURS
GSA 101b	3
GSB 101b	3
GSC 100 or 101	3
GSD 101b	3
GSE PE	1
GSD 123b, 126b, 136b, or 140b ¹	3
Fr 123Cb, Ger 126Cb, Russ 136Cb, or Span 140Cb ²	1
	17

HUMANITIES DIVISION

SPRING	HOURS
GSA 101c	3
GSB 101c	3
GSC 151	3
GSD 103	3
GSE PE	1
GSD 123c, 126c, 136c, or 140c ¹	3
Fr 123Cc, Ger 126Cc, Russ 136Cc, or Span 140Cc ²	1
	17

Second Year

GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB 201a or 211a	3	GSB 201b or 211b	3	GSB 201c or 211c	3
GSC 251a	3	GSC 251b	3	GSC 251c	3
GSE 201	3	Elective	3	Elective	3
Fr, Ger, Russ, or Span 201a ³	3	Fr, Ger, Russ, or Span 201b ³	3	Fr, Ger, Russ, or Span 201c ³	3
Fr, Ger, Russ, or Span 220	2	Fr, Ger, Russ, or Span 220	2	Fr, Ger, Russ, or Span 220	2
	17		17		17

Third Year

GSA-3	3	GSA-3	3	Eng-3	3
GSB-3	3	GSB-3	3	Hist-3 (related to concentration)	3
GSC-3	3-4	GSC-3	3-4	FL-3 ⁴ (Fr, Span, Ger)	3-4
FL-3 ⁴ (Fr, Span, Ger)	3-4	FL-3 ⁴ (Fr, Span, Ger)	3-4	Minor or electives	6-8
Minor or elective	3-4	Minor or elective	3-4		
	15-17		15-17		15-17

Fourth Year

FL-3 or FL-4 ⁵	3-5	FL-3 or FL-4 ⁵	3-5	FL-3 or FL-4 ⁵	3-5
Minor and electives	10-12	Minor and electives	10-12	Minor and electives	10-12
	15-17		15-17		15-17

¹ One who has completed more than one year of French, Spanish, German, or Russian in high school should consult with FL faculty before registering for a course in the same language.

² The conversation courses can be taken only by concurrent registration in the corresponding beginning courses.

³ One who has completed 201-9 (or the equivalent) in French, Spanish, or German should substitute 311 in the same language.

⁴ If fewer than 15 hours toward the concentration have been completed by the beginning of the third year, additional FL courses should be taken to insure a minimum of 29 hours toward the concentration by the end of the third year.

⁵ If fewer than 29 hours toward the concentration have been completed by the beginning of the fourth year, additional FL courses should be taken to insure a minimum of 42 hours in the language of concentration.

GEOGRAPHY

EDUCATION OR SOCIAL SCIENCES DIVISION

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a	3	GSA 101b	3	GSA 101c	3
GSB 101a	3	GSB 101b	3	GSB 101c	3
GSC 100 or 101	3	GSC 151	3	GSC 152	3
GSD 155a or 114a ¹	3	GSD 155b or 114b	3	GSD 155c or 114c ²	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSE PE	1	GSE PE	1	GSE PE	1
	16		16		16

Second Year

GSA 201a	3	GSA 201b	3	GSA 201c or 200	3
GSB 201a or 211a	3	GSB 201b or 211b	3	GSB 201c or 211c	3
GSC 251a	3	GSC 251b	3	GSC 251c	3
GSD FL ³	3	GSD FL	3	GSD FL	3
Elective	4	GSE 201	3	Geog 302	4
	16		15		16

Third Year

GSA 330	3	GSA 331	3	GSA-3	3
GSB 354 or GSB-3	3	GSB-3	3	Geog 308	3
GSC-3	3	GSC-3	3	Geog 310a	3
Geog 304	4	Geog 306	4	Elective	4
Elective	4	Elective	4	Elective	4
	17		17		17

Fourth Year

Meet requirements in geography concentration, secondary concentration, and other degree requirements.

¹ Cartography students must take GSD 114-9, also Geog 310a sometime in second year.

² GSD 167-3 is recommended in spring quarter for non-cartography concentrations.

³ Foreign language not required for B.S. in Ed. degree.

GOVERNMENT

SOCIAL SCIENCES DIVISION

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a	3	GSA 101b	3	GSA 101c	3
GSB 101a	3	GSB 101b	3	GSB 101c	3
GSC 152	3	GSC 101 or 100	3	GSC 151	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD FL	3	GSD FL	3	GSD FL	3
GSE PE	1	GSE PE	1	GSE PE	1
	16		16		16

Second Year					
GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB 201a or 211a	3	GSB 201b or 211b	3	GSB 201c or 211c	3
GSC 251a	3	GSC 251b or 251c	3	GSC 251c or 251b	
				or 203 or 255	3
Gov 210	4	Gov 232	4	Gov (300 level)	4-5
GSE 201	3	Elective	3-4	Elective	3-4
	16		16-17		17-18

Third Year					
GSA-3	3	GSA-3	3		
GSB-3	3	GSB-3	3		
GSC-3	3	GSC-3	3		
Gov	4	Gov	4	Gov	8
Minor, Electives	3-4	Minor, Electives	3-4	Minor, Electives	8
	16-17		16-17		16

Fourth Year					
Gov	8	Gov	9		
Minor, Electives	8	Minor, Electives	7	Electives	16
	16		16		16

HISTORY

FALL	HOURS
GSA 101a	3
GSB 101a	3
GSC 152	3
GSD 101a	3
GSD FL	3
GSE PE	1
	16

Second Year	
GSA 201a	3
GSB 201a or 211a	3
GSC 251a	3
Hist 100	3
Phil 200	4
	16

Third Year	
GSA-3	3
GSB-3	3
GSC-3	3
Hist elective	3-4
Minor	4
	16-17

Fourth Year	
Hist 452	3
Hist elective	3
Minor	4
Electives	6
	16

SOCIAL SCIENCES DIVISION

WINTER	HOURS	SPRING	HOURS
GSA 101b	3	GSA 101c	3
GSB 101b	3	GSB 101c	3
GSC 100 or 101	3	GSC 151	3
GSD 101b	3	GSD 103	3
GSD FL	3	GSD FL	3
GSE PE	1	GSE PE	1
	16		16

Second Year	
GSA 201b	3
GSB 201b or 211b	3
GSC 251b or 251c	3
Hist 201a	4
GSE 201	3
	16

Third Year	
GSA-3	3
GSB-3	3
GSC-3	3
Hist elective	3-4
Minor	4
	16-17

Fourth Year	
Hist elective	4
Minor	4
Electives	8
	16

Second Year	
GSA 201c	3
GSB 201c or 211c	3
GSC 251c, 251b, 203, or 255	3
Hist 201b	4
Elective	3-4
	16-17

Third Year	
Hist electives	8
Minor	4
Electives	4
	16

Fourth Year	
Hist elective	4
Minor	4
Electives	8
	16

MANAGEMENT (FINANCE)

BUSINESS DIVISION

(For students who matriculated in or subsequent to September, 1962)

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a	3	GSA 101b	3	GSA 101c	3
		GSB 211a	3	GSB 211b	3
GSC 100 or 101	3	GSC 152	3	GSC 151	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD 114a ¹	3	GSD 114b	3	GSD 167	3
GSE PE	1	GSE PE	1	GSE PE	1
Mgt 170	4				
	17		16		16

Second Year

GSA 201a	3	GSA 201b	3	GSA 200	3
GSB 211c	3	GSB 311	3		
GSC 251a	3	GSC 251b	3	GSC 251c	3
				GSE 201	3
Acct 251a	4	Acct 251b	4	Acct 251c	4
Econ 210	5	Mgt 271	4	Mktg 230	5
	18		17		18

Third Year

GSA-3	3	GSA-3	3		
GSB-3	3				
GSC-3	3	GSC-3	3	Mgt 320	5
Mgt 340	4	Mgt 361	3	Mgt 327	4
Mgt 371	4	Mgt 372 or 373	4	Mgt 385	4
		Econ 310	4	Econ 315	4
	17		17		17

Fourth Year

Mgt 323	4	Mgt 421	4	Mgt 475	4
Mgt 328	3				
Mktg 334, 341, or 438 ..	4				
Electives	4	Electives	8	Electives	8
	15		12		12

¹ One who does not qualify for this course should take Math 100-0.
No specific 300-level GS courses are suggested at this time. The student should consult his adviser.

MANAGEMENT (GENERAL BUSINESS)

BUSINESS DIVISION

(For students who matriculated in or subsequent to September, 1962)

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a	3	GSA 101b	3	GSA 101c	3
		GSB 211a	3	GSB 211b	3
GSC 100 or 101	3	GSC 152	3	GSC 151	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD 114a ¹	3	GSD 114b	3	GSD 167	3
GSE PE	1	GSE PE	1	GSE PE	1
Mgt 170	4				
	17		16		16

Second Year					
GSA 201a	3	GSA 201b	3	GSA 200	3
GSB 211c	3	GSB 311	3	GSC 251c	3
GSC 251a	3	GSC 251b	3	GSE 201	3
Acct 251a	4	Acct 251b	4	Acct 251c	4
Econ 210	5	Mgt 271	4	Mktg 230	5
	18		17		18
Third Year					
GSA-3	3	GSA-3	3		
GSB-3	3				
GSC-3	3	GSC-3	3	Mgt 320	5
Mgt 340	4	Mgt 361	3	Mgt 327	4
Mgt 371	4	Mgt 372 or 373	4	Mgt 385	4
		Econ 310	4	Econ 315	4
	17		17		17
Fourth Year					
Mgt 380	4	Mgt 421	4	Mgt 479	4
Mktg 334, 341, or 438	4	Mgt 473	4		
Electives	8	Electives	4	Electives	7
	16		12		11

No specific 300-level GS courses are suggested at this time. The student should consult his adviser.

¹One who does not qualify for this course should take Math 100-0.

MANAGEMENT (PERSONNEL)

BUSINESS DIVISION

First Year					
FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a	3	GSA 101b	3	GSA 101c	3
		GSB 211a	3	GSB 211b	3
GSC 100 or 101	3	GSC 152	3	GSC 151	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD 114a ¹	3	GSD 114b	3	GSD 114d	3
GSE PE	1	GSE PE	1	GSE PE	1
Mgt 170	4				
	17		16		16
Second Year					
GSA 201a	3	GSA 201b	3	GSA 200	3
GSB 211c	3	GSB 311	3		
GSC 251a	3	GSC 251b	3	GSC 251c	3
Acct 251a	4	Acct 251b	4	GSE 201	3
Econ 210	5	Mgt 271	4	Acct 251c	4
	18		17	Mktg 230	5
					18
Third Year					
GSA-3	3	GSA-3	3		
GSB 253	3	GSB-3	3	Mgt 320	5
GSC-3	3	GSC-3	3	Mgt 380	4
Mgt 340	4	Mgt 361	3	Mgt 385	4
Mgt 371	4	Mgt 372 or 373	4	Econ 310	4
	17		16		17

Fourth Year					
Mgt 382 or Econ 411	3-4	Mgt 480	4	Mgt 481	4
Econ 315	4	Mgt 485	4		
Electives	9-8	Electives	4	Electives	8
	16		12		12

¹ One who does not qualify for this course should take Math 100-0.
No specific 300-level GS courses are suggested at this time. The student should consult his adviser.

MARKETING

BUSINESS DIVISION

(For students who matriculated in or subsequent to September, 1962)

First Year					
FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a	3	GSA 101b	3	GSA 101c	3
		GSB 211a	3	GSB 211b	3
GSC 100 or 101	3	GSC 152	3	GSC 151	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD 114a ¹	3	GSD 114b	3	GSD 114d	3
GSE PE	1	GSE PE	1	GSE PE	1
Mgt 170	4				
	17		16		16

Second Year					
GSA 201a	3	GSA 201b	3	GSA 200	3
GSB 211c	3	GSB 311	3		
GSC 251a	3	GSC 251b	3	GSC 251c	3
				GSE 201	3
Acct 251a	4	Acct 251b	4	Acct 251c	4
Econ 210	5	Mgt 361	3	Mktg 230	5
	18		16		18

Third Year					
GSA-3	3	GSA-3	3		
GSB-3	3				
GSC-3	3	GSC-3	3	Mktg ²	3-4
Mktg ²	3-4	Mktg ²	3-4	Mktg ³	3-4
		Mktg ³	3-4	Mgt 320	5
Mgt 371	4	Mgt 340	4	Mgt 373	4
	16-17		16-18		15-17

Fourth Year					
Mktg ³	3-4	Mktg 438 or 463	3-4	Mktg 490	4
Econ 315	4	Mktg 444	4		
Electives	8	Electives	4	Electives	10-7
	15-16		11-12		14-11

No specific third level courses are suggested at this time. The student should consult his adviser.

¹ One who does not qualify for this course should take Math 100-0.

² Any one of the following courses: Mktg 331, 335, 338, 339, 349.

³ Any one of the following courses: Mktg 333, 334, 336, 337, 341.

MATHEMATICS (WITH PHYSICS)

EDUCATION OR SCIENCE AND TECHNOLOGY DIVISION

First Year					
FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSB 101a	3	GSB 101b	3	GSB 101c	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSE PE	1	GSE PE	1	GSE PE	1
Math 150a ¹	4	Math 150b	4	Math 252a	4
Chem 111a ²	5	Chem 111b ²	5	Chem 111c ²	5
	16		16		16

Second Year					
GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB 201a or 211a	3	GSB 201b or 211b	3	GSB 201c or 211c	3
GSC 151	3	GSC 152	3	GSC 101	3
Math 252b	4	Math 300	4	Math 320a	3
Phys 211a	5	Phys 211b	5	Phys 211c	5
	18		18		17

Third Year					
GSA-3	3	GSA-3	3	GSC 251c or 251b or 203 or 255	3
GSC 251a	3	GSC 251b or 251c	3	GSD FL	3
GSD FL	3	GSD FL	3	GSE 201	3
Math 320b	3	Math ³	3	Math ³	3
Phys 300	5	Phys electives	4	Phys electives	4
	17		16		16

Fourth Year					
GSB-3	3	GSB-3	3		
GSC-3	3	GSC-3	3		
Math electives	4	Math electives	4		
Electives	7	Electives	7	Electives	16
	17		17		16

¹If student needs Math 111a,b, to start Math 150a, ten more hours of math will be required.
²Recommended electives.
³One of the sequences 452a,b or 480a,b or a geometry sequence of 2 courses above 299 must be completed.

MUSIC (B.A.)

FINE ARTS DIVISION

First Year					
FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSB 101a	3	GSB 101b	3	GSB 101c	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD Math or FL	3	GSD Math or FL	3	GSD Math or FL	3
GSE PE	1	GSE PE	1	GSE PE	1
Music 105a ¹	4	Music 105b ¹	4	Music 105c ¹	4
Music (applied)	2	Music (applied)	2	Music (applied)	2
Music (ensemble)	1	Music (ensemble)	1	Music (ensemble)	1
	17		17		17

Second Year					
GSA 101a	3	GSA 101b	3	GSA 101c	3
GSB 201a	3	GSB 201b	3	GSB 201c	3
GSC 251a	3	GSC 251b	3	GSE 201	3
Music 205a ¹	3	Music 205b ¹	3	Music 205c ¹	3
Music (applied)	2	Music (applied)	2	Music (applied)	2
Music (ensemble)	1	Music (ensemble)	1	Music (ensemble)	1
	15		15		15

Third Year					
GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB-3	3	GSB-3	3	GSC 357c	3
GSA 361	3	GSA-3	3	Music (elective)	1
GSC 357a	3	GSC 357b	3	Elective	3
Music (elective)	1-3	Music (elective)	1-3	Elective	3
Elective	2-3	Elective	2-3		
	15-18		15-18		13-15

Fourth Year

(Secondary Concentration Requirements 24-27 hours)

Electives 16 Electives 16 Electives 16

¹ Private or class piano may be required in conjunction with Music 105 and 205.

The student is expected to proficiency GSC 255 to complete 9 hours in GSC-2.

MUSIC EDUCATION (B. MUS.)

FINE ARTS DIVISION

First Year

FALL	HOURS
GSD Math or FL ¹	3
GSD 101a	3
GSE PE	1
Music 105a	4
Music (applied)	2
Music (ensemble)	1
Music (class piano) ² ..	1
Music (class inst.)	1
	<hr/> 16

WINTER	HOURS
GSD Math or FL ¹	3
GSD 101b	3
GSE PE	1
Music 105b	4
Music (applied)	2
Music (ensemble)	1
Music (class piano) ² ..	1
Music (class inst.)	1
	<hr/> 16

SPRING	HOURS
GSD Math or FL ¹	3
GSD 103	3
GSE PE	1
Music 105c	4
Music (applied)	2
Music (ensemble)	1
Music (class piano) ² ..	1
Music (class inst.)	1
	<hr/> 16

Second Year

GSA 101a	3
GSB 101a	3
GSB 201a	3
GSC 251a	3
Music 205a	3
Music (applied)	2
Music (class piano) ² ..	1
Music (class inst.)	1
Music (ensemble)	1
	<hr/> 20

GSA 101b	3
GSB 101b	3
GSB 201b	3
GSC 251b	3
Music 205b	3
Music (applied)	2
Music (class piano)	1
Music (class inst.)	1
Music (ensemble)	1
	<hr/> 20

GSA 101c	3
GSB 101c	3
GSB 201c	3
GSE 201	3
Music 205c	3
Music (applied)	2
Music (class piano)	1
Music (class inst.)	1
Music (ensemble)	1
	<hr/> 20

Third Year

GSA 201a ³	3
GSB 331	3
GSC 357a	3
Music 301a	3
Music 318a	3
Music (applied)	1
Music (ensemble)	1
Music (class voice) ⁴ ..	1
	<hr/> 18

GSA 201b ³	3
GSB-3	3
GSC 357b	3
Music 301b	3
Music 318b	3
Music (applied)	1
Music (ensemble)	1
Music (class voice) ⁴ ..	1
	<hr/> 18

GSA 201c ³	3
Music 326a	3
GSC 357c	3
Music 301c	3
Music 309a	3
Music (applied)	1
Music (ensemble)	1
Music (class voice) ⁴ ..	1
	<hr/> 18

Fourth Year

GSA 361	3
Guid 305	4
Music (applied)	2
Music (ensemble)	1
Music (class inst.)	1-2
Music 309b	2
	<hr/> 13-14

GSA-3	3
EdEl 351e ⁵	4
Music (applied)	2
Music (ensemble)	1
Music (class inst.)	1-2
Music (elective)	2
	<hr/> 13-14

Ed Sec 352D ⁵	8
Music (applied)	2
Music (ensemble)	1
Music (class inst.)	1
	<hr/> 12

REQUIRED: 2 quarters of class strings, 2 quarters of class woodwinds, 2 quarters of class brass, and 1 quarter of class percussion.

¹ A music student who has successfully completed two years of high school foreign language is not required to take GSD mathematics or foreign language.² 6 quarters of class piano, or proficiency, are required—use as elective hours if proficiency passed.³ Substitute GSA 200-3 for any one (GSA 201b,c).⁴ Three quarters required for all *except* voice majors.⁵ Student may choose ElEd 351e-8 for spring quarter and/or Sec Ed 352d-4 for winter quarter—or 12 quarter hours in either, according to his interest field. Consult with adviser.

The student is expected to proficiency GSC 255 to complete 9 hours in GSC-2.

MUSIC PERFORMANCE (B. MUS.)

FINE ARTS DIVISION

First Year							
FALL	HOURS	WINTER	HOURS	SPRING		HOURS	
GSD 101a	3	GSD 101b	3	GSD 103		3	
GSD Math or FL	3	GSD Math or FL	3	GSD Math or FL		3	
GSE PE	1	GSE PE	1	GSE PE		1	
Music 105a ¹	4	Music 105b ¹	4	Music 105c ¹		4	
Music (applied)	4	Music (applied)	4	Music (applied)		4	
Music (ensemble)	1	Music (ensemble)	1	Music (ensemble)		1	
	16		16			16	
Second Year							
GSA 101a	3	GSA 101b	3	GSA 101c		3	
GSB 101a	3	GSB 101b	3	GSB 101c		3	
GSC 251a	3	GSC 251b	3	GSE 201		3	
Music 205a ¹	3	Music 205b ¹	3	Music 205c ¹		3	
Music (applied)	4	Music (applied)	4	Music (applied)		4	
Music (ensemble)	1	Music (ensemble)	1	Music (ensemble)		1	
	17		17			17	
Third Year							
GSA 201a	3	GSA 201b	3	GSA 201c		3	
GSB 201a	3	GSB 201b	3	GSB 201c		3	
GSC 357a	3	GSC 357b	3	GSC 357c		3	
Music (applied)	4	Music (applied)	4	Music (applied)		4	
Music (ensemble)	1	Music (ensemble)	1	Music (ensemble)		1	
Music (elective)	2-3	Music (elective)	2-3	Music (elective)		2-3	
	16-17		16-17			16-17	
Fourth Year							
GSA 361	3	GSA-3	3	Music (elective)		3	
GSB-3	3	GSB-3	3	Music (elective)		3	
Music (elective)	3	Music (elective)	3	Music (recital)		2	
Music (applied)	4	Music (applied)	4	Music (applied)		4	
Music (ensemble)	1	Music (ensemble)	1	Music (ensemble)		1	
Music 318a	3	Music 326a	3	Music 326b		3	
	17		17			16	

¹Private or class piano may be required in conjunction with Music 105 and 205.
The student is expected to proficiency GSC 255 to complete 9 hours in GSC-2.

NURSING

DEPARTMENT OF NURSING

First Year							
FALL	HOURS	WINTER	HOURS	SPRING	HOURS	SUMMER	HOURS
GSA 101a	3	GSA 101b	3	GSA 101c	3	GSA 201a	3
GSB 201b	3	GSB 201b	3	GSB 201c	3		
GSC 100 or 101	3	GSC 152	3	GSC 151	3	GSC 251	3
GSD 101a	3	GSD 101b	3	GSD 103	3	GSE PE	1
GSD Math or FL	3	GSD Math or FL	3	GSD Math or FL	3	GSE PE	1
Nurs 101a	1	Nurs 101b	1	Nurs 101c	1	Chem 240	4
	16		16		16		12
Second Year							
FALL	HOURS	WINTER	HOURS	SPRING	HOURS		
GSA 201b	3	GSA 201c	3	GSA-3		3	
GSC 251b	3	GSC 253	3				
GSE PE	1			GSE 201		3	
		Nurs 210	2	Nurs 303		3	
Bio Sci 301	5	Bio Sci 358	4	Bio Sci 359		4	
Phil 302	4	Soc 340	4	Psyc 301		4	
	16		16			17	

Third Year					
GSA-3	3	GSB-3	3	GSC-3	3
GSB-3	3	Nurs 302	8	GSC-3	3
Nurs 301	8	Nurs 355	4	Nurs 363a	9
	14		15		15

Fourth Year					
Nurs 325	8	Nurs 375	8	Nurs 384	2
HED 355	4	Nurs 363b	6	Nurs 363c	14
	12		14		16

PHILOSOPHY

FALL	HOURS
GSA 101a	3
GSB 101a	3
GSC 152	3
GSD 101a	3
GSD FL ¹	4
GSE PE	1
	17

GSA 201a	3
GSB 201a or 211a	3
GSC 251a	3
GSE 201	3
FL	3
	15

Phil 324	4
GSB-3	3
Phil 381a	4
Minor	4
	15

Phil	8
Minor	4
Electives	4
	16

¹ Includes Foreign Language Conversation.

PHYSICAL EDUCATION

FALL	HOURS
GSA 101a	3
GSB 101a	3
GSC 101	3
GSD 101a	3
GSD Math	3
GSE PE	1
PE ¹	1
	16

WINTER	HOURS
GSA 101b	3
GSB 101b	3
GSC 100 or 101	3
GSD 101b	3
GSD FL ¹	4
GSE PE	1
	17

GSA 201b	3
GSB 201b or 211b	3
GSC 251b	3
Phil 200	4
FL	3
	16

GSA 363a	3
GSB-3	3
GSC-3	3
Phil 381b	4
Minor	4
	17

Phil	8
Minor	4
Electives	4
	16

HUMANITIES DIVISION

SPRING	HOURS
GSA 101c	3
GSB 101c	3
GSC 151	3
GSD 103	3
GSD FL ¹	4
GSE PE	1
	17

GSA 201c	3
GSB 201c or 211c	3
GSC 251c	3
Phil 240	4
FL	3
	16

GSA 363b	3
GSC-3	3
Phil 381c	4
Minor	6
	16

Phil 490	4
Minor	4
Electives	8
	16

EDUCATION DIVISION

SPRING	HOURS
GSA 101c	3
GSB 101c	3
GSC 151	3
GSD 103	3
GSD Math	3
GSE PE	1
PE ¹	1
	16

Second Year

GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB 201a	3	GSB 201b	3	GSB 201c	3
GSC 251a	3	GSC 251b	3	GSC 251c	3
		GSE 201	3		
Electives	6-8	Electives	3-4	Electives	6-8
	15-17		15-17		15-17

Third and Fourth Years

At the time of declaring a concentration in physical education, the student should meet with his physical education adviser to discuss the concentration requirements (as they appear in the Divisional Announcements bulletin). The student should remember the 300-level GS requirements.

¹Selected activity courses and methods at the 100-level as worked out with physical education advisers.

PSYCHOLOGY

EDUCATION OR SOCIAL SCIENCES DIVISION

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a	3	GSA 101b	3	GSA 101c	3
GSB 101a	3	GSB 101b	3	GSB 101c	3
GSC 152	3	GSC 101	3	GSC 151	3
GSD 103	3	GSD 101a	3	GSD 101b	3
GSD 112a	3	GSD 112b	3	GSD 112c	3
GSE PE	1	GSE PE	1	GSE PE	1
	16		16		16

Second Year

GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB 201c	3	GSB 201a	3	GSB 201b	3
GSC 251a	3	GSC 251b or 251c	3	GSC 251c, 251b, 203, or 255	3
GSE 201	3	Psyc 211	4	Psyc 301 or 303	4
Elective	3-4	Elective	3	Elective	3
	15-16		16		16

Third and Fourth Years

At the time of declaring a concentration in psychology, the student should meet with his psychology adviser to discuss the concentration requirements (as they appear in the Divisional Announcements bulletin). Student must meet 3rd level G.S. requirements.

PHYSICS CURRICULUM (WITH MATH)

EDUCATION OR SCIENCE AND TECHNOLOGY DIVISION

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSB 101a	3	GSB 101b	3	GSB 101c	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSE PE	1	GSE PE	1	GSE PE	1
Chem 111a	5	Chem 111b	5	Chem 111c	5
Math 111a	5	Math 111b	5	Math 150a	4
	17		17		16

Second Year

GSA 201a	3	GSA 201b	3	GSA 201c	3
GSC 151	3	GSC 152	3	GSC 101	3
GSD FL	3	GSD FL	3	GSD FL	3
Math 150b	4	Math 252a	4	Math 252b	4
Phys 211a	5	Phys 211b	5	Phys 211c	5
	18		18		18

Third Year

GSB 201a or 211a	3	GSA-3	3	GSA-3	3
GSC 251a	3	GSB 201b or 211b	3	GSB 201c or 211c	3
Math 300	4	GSC 251b or 251c	3	GSC 251c or 251b or 203 or 255	3
Math 324	3	Math 320a	3	Math 320b	3
Phys 300	5	Phys 301a	4	Phys 301b	4
	18		16		16

Fourth Year

GSB-3	3	GSB-3	3		
GSC-3	3	GSC-3	3		
GSE 201	3	Electives	3	Electives	10
Phys electives	7	Phys electives	7	Phys electives	6
	16		16		16

PUBLIC ADMINISTRATION AND URBAN PLANNING

SOCIAL SCIENCES DIVISION

Students are advised to follow the first two years of either the government or the geography program.

SOCIOLOGY

SOCIAL SCIENCES DIVISION

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a	3	GSA 101b	3	GSA 101c	3
GSB 101a	3	GSB 101b	3	GSB 101c	3
GSC 152	3	GSC 100 or 101	3	GSC 151	3
GSD 101a	3	GSD 101b	3	GSD 103	3
GSD FL	3	GSD FL	3	GSD FL	3
GSE PE	1	GSE PE	1	GSE PE	1
	16		16		16

Second Year

GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB 201a or 211a	3	GSB 201b or 211b	3	GSB 201c or 211c	3
GSC 251a	3	GSC 251b	3	GSC 251c	3
GSE 201	3				
Soc 101	4	Electives	8	Electives	8
	16		17		17

At the time of declaring a concentration in sociology or anthropology, the student should meet with his sociology or anthropology adviser to discuss the concentration requirements (as they appear in the Divisional Announcements bulletin). Student must meet 3rd level G.S. requirements.

SPEECH

EDUCATION OR FINE ARTS DIVISION

First Year

FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 101a	3	GSA 101b	3	GSA 101c	3
GSB 101a	3	GSB 101b	3	GSB 101c	3
GSC 152	3	GSC 101 or 100	3	GSC 151	3
GSD 103	3	GSD 101a	3	GSD 101b	3
GSE PE	1	GSE PE	1	GSE PE	1
GSE 201	3	Speech 102	4	Speech 104	4
	16		17		17

Second Year					
GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB 201a or 211a	3	GSB 201b or 211b	3	GSB 201c or 211c	3
GSC 251a	3	GSC 251b or 203	3	GSC 251c or 203	3
GSD FL	3	GSD FL	3	GSD FL	3
Speech 230	1	Speech 230	1	Speech 230	1
Speech electives	3	Speech 202	3	Speech 224	4
	16		16		17
Third Year					
GSA-3	3	GSA-3	3		
GSB-3	3	GSB-3	3	GSC 354b	3
Speech 301	4	GSC 354a	3	Speech 330	1
Speech 330	1	Speech 330	1	Speech electives	4
Electives	6	Speech electives	4	Electives	8
	17		14		16
Fourth Year					
Speech electives	4	Speech electives	4	Speech electives	4
Electives	12	Electives	12	Electives	12
	16		16		16

THEATER

FALL	HOURS
GSA 101a	3
GSB 101a	3
GSC 100	3
GSD 103	3
GSE PE	1
GSE 201	3
	16

First Year	
WINTER	HOURS
GSA 101b	3
GSB 101b	3
GSC 101	3
GSD 101a	3
GSE PE	1
Speech 224	4
	17

FINE ARTS DIVISION

SPRING	HOURS
GSA 101c	3
GSB 101c	3
GSC 151	3
GSD 101b	3
GSE PE	1
Speech 104	4
	17

Second Year					
GSA 201a	3	GSA 201b	3	GSA 201c	3
GSB 201a or 211a	3	GSB 201b or 211b	3	GSB 201c or 211c	3
GSC 251a	3	GSC 251b	3	GSC 203	3
				GSC 152	3
GSD FL	3	GSD FL	3	GSD FL	3
Theater 121a	3	Theater 204	4	Speech 230	1
	15		16		16
Third Year					
GSA-3	3	GSA-3	3	English electives ¹	4
GSB-3	3	GSB-3	3	Philosophy 360	4
Art 100	5	Theater 121b	3	Speech 330	1
Speech 330	1	Theater 203	4	Electives	6
Electives	4	Electives	3		15
	16		16		
Fourth Year					
		Theater 402	4	Theater 439	4
English Elective	4	English Elective	4	English Elective	4
		GSC 354a	3	GSC 354b	3
Electives	12	Electives	5	Electives	5
	16		16		16

¹ See Divisional Announcements bulletin—Theater Concentration

ZOOLOGY (WITH CHEMISTRY)

SCIENCE AND TECHNOLOGY DIVISION

First Year

FALL	HOURS
GSA 101a	3
GSA 201a	3
GSB 101a	3
GSD 101a	3
GSE PE	1
Chem 111a	5
	<hr/> 18

WINTER	HOURS
GSA 101b	3
GSA 201b	3
GSB 101b	3
GSD 101b	3
GSE PE	1
Chem 111b	5
	<hr/> 18

SPRING	HOURS
GSA 201c	3
GSB 101c	3
GSD 103	3
GSE PE	1
Chem 111c	5
	<hr/> 15

Second Year

GSB 201a or 211a	3
GSC 151	3
GSD FL	3
Zool 102	5
Chem 336a	4
	<hr/> 18

GSB 201b or 211b	3
GSC 152	3
GSD FL	3
GSD Math	3
Zool 103	5
	<hr/> 17

GSB 201c or 211c	3
GSC 101	3
GSD FL	3
GSD Math	3
Zool 202	5
	<hr/> 17

Third Year

GSC 251a	3
GSD Math	3
Chem 341a	4
Zool 401	5
	<hr/> 15

GSA 358a	3
GSB-3	3
GSC 251b or 251c	3
Chem 341b	5
Zool 300	5
	<hr/> 19

GSA 358b	3
GSB-3	3
GSC 251c or 251b or 203 or 255	3
GSE 201	3
Bot 101	5
	<hr/> 17

Fourth Year

GSC-3	3
Phsl 433	4
Zool 310	5
Zool 382a	1/2
Electives	3
	<hr/> 15 1/2

GSC-3	3
Zool 313	3
Zool 480	3
Zool 382b	1/2
Electives	6
	<hr/> 15 1/2

Zool 382c	1/2
Electives	15
	<hr/> 15 1/2

Edwardsville Campus Preprofessional Programs

BOTANY, BIOLOGICAL SCIENCES, ZOOLOGY, MEDICAL TECHNOLOGY,
PREMEDICINE, PREIDENTISTRY, PREVETERINARY

First Year					
FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSA 151 ¹	3	GSA 152 ¹	3		
GSA 251	3	GSA 252	3	GSA 253	3
GSC-1	3	GSC-1	3		
GSD 151	3	GSD 152	3	GSD 153	3
				PE	1
Chem 111	5	Chem 112	5	Chem 113	5
				Zool 103 or Bot 101 ² ..	5
	17		17		17

¹ Required for the concentration.
² One concentrating in botany should take Bot 101.

MATHEMATICS, PHYSICAL SCIENCE, PRE-ENGINEERING, PREMEDICINE,
PREIDENTISTRY, PREVETERINARY

First Year					
FALL	HOURS	WINTER	HOURS	SPRING	HOURS
GSB 151	3	GSB 152	3	GSB 153	3
GSD 151	3	GSD 152	3	GSD 153	3
PE	1	PE	1	PE	1
Chem 111 ¹	5	Chem 112 ¹	5	Chem 113 ¹	5
Math 150 ²	5	Math 151 ²	5	Math 252 ²	4
	17		17		16

¹ Recommended for mathematics concentration.
² One who has not received advanced standing should take a GSD Math sequence.

Air Force ROTC

Air Force ROTC

Carbondale Campus Only

Professor: Colonel George H. Blase, *Assistant Professors:* Lt. Colonel James F. Van Ausdal, Major T. Bruce Buechler, Captain Edward A. Corich, Captain Robert B. Frazier, Captain Philip Florio, Jr., Captain William M. Hamilton, Captain Joe E. Johnson, Captain Harold L. Maxwell, Captain John E. Ogden, Captain Charles E. Pisoni, Captain Robert W. Propst, *Instructors:* Master Sergeant Robert H. Brown, Master Sergeant Jerry S. Witt, Technical Sergeant Fred Tolby, Jr., Staff Sergeant Robert K. Bumgardner, Staff Sergeant Armand V. Hanff, Staff Sergeant Donald F. Harmening, Airman First Class Johnnie J. Saunders, Jr., Airman First Class Walter C. Waggoner.

The Air Force Reserve Officers Training Corps of Southern Illinois University is a (senior division) ROTC unit administered by commissioned officers of the USAF, assigned by the Department of the Air Force with the approval of the University. These officers are appointed as members of the University's instructional staff. The senior officer is designated as Professor of Air Science and Detachment Commander. Airmen are assigned to assist in practical instruction and administration and to assist in the care of federal property. The University Corps of Cadets consists of all students pursuing AF ROTC training. All AF ROTC cadets retain their civilian status until they are commissioned as officers in the United States Air Force Reserve and are ordered to active military service.

The course of study is divided into the basic course, covering the first two years, and the advanced course, covering the junior year, summer training unit, and the senior year in that order. It is designed to provide the fundamental training, both personal and professional, which will best equip a cadet to become an effective junior Air Force officer possessing a high growth potential and also to develop and stimulate a growing desire on his part to enter the Air Force flight training program. The basic course is designed with two additional objectives in mind: first, to interest the cadet in the possibility of advanced AF ROTC and ultimately

making the Air Force his career; and second, to provide him with "Space Age" citizenship training of long-range value to the Air Force whether he remains in civil life or becomes a member of the USAF. Emphasis is given throughout the courses, both in theory and practice, to outlining the leadership and managerial duties and responsibilities of squadron level officers, to improving oral and written expression, and to learning techniques of the problem-solving process.

In addition to the four-year AF ROTC program offered for academic credit, the Division of Air Science indorses or directly sponsors a number of extracurricular activities. The Arnold Air Society is open to selected cadets of all four years, and is a national professional fraternity. Membership in the Angel Flight, an auxiliary of the Arnold Air Society, is open to selected undergraduate women. The Rifle Team is coached and sponsored by the detachment. Other activities open to cadets are the Honor Guard, the Band, and the Singing Squadron. Cadets may also compete for numerous trophies and awards available to members of the Cadet Corps.

Three hours of Air Science are required for all entering male students who undertake their first college work by entering Southern Illinois University (Carbondale Campus) unless they are veterans, over twenty-five years of age at the time of entrance, or excused from this requirement by the University Military Policies Committee. Male students who transfer fewer than forty-five hours of acceptable credit from the Edwardsville Campus of Southern Illinois University, from the Vocational-Technical Institute of Southern Illinois University, or from another college or university, including an accredited junior college, shall be required to take three hours of Air Science unless they are veterans, over twenty-five years of age at the time of entrance, or excused from this requirement by the University Military Policies Committee.

The successful completion of the entire basic course (three academic quarters) and six quarters of Leadership Laboratory, or the equivalent in previous military service, is a prerequisite for graduation at Carbondale. Enrollment in the advanced Air Force ROTC course—which is highly selective—is voluntary.

THE REQUIRED BASIC COURSE

The required basic course for freshmen consists of two hours of classroom instruction during the spring quarter and one hour of Leadership Laboratory each week throughout the fall, winter, and spring quarters.

The required basic course for sophomores consists of two hours of classroom instruction during the fall and winter quarters and one hour of Leadership Laboratory each week throughout the fall, winter, and spring quarters.

THE VOLUNTARY ADVANCED COURSE

Qualified students may apply for the advanced Air Force ROTC course. This consists of six quarters of academic work, plus a four-week summer training unit. The object of the advanced course is to qualify students for appointment as second lieutenants in the United States Air Force Reserve.

Selection of students for enrollment will be made by the Professor of Air Science as provided in section 40-47c, National Defense Act, from qualified applicants as follows:

1. Conditions of Service. All advanced course students will be civilians who will be placed under contract with the government. The contract will contain the following provisions:

- a. The student agrees

- (1) Unless sooner released for the convenience of the government, to complete the advanced course and to attend the summer training unit at the time specified by proper authority.

- (2) To accept an appointment as second lieutenant, United States Air Force Reserve, if and when tendered.

- b. The Department of the Air Force agrees to pay the student commutation of subsistence at a daily rate as announced by that department. This rate varies from year to year. The current rate is \$0.90 per day for a maximum period of 609 days.

2. Personal Qualifications.

- a. A student must have completed the basic course or its equivalent in previous service.

- (1) Students who have had previous training or service may receive credit toward entrance into the advanced course within the following limits. (Individuals excused from the basic military training requirements for reasons other than those listed below are not eligible to apply for the advanced course.)

- (a) On the basis of previous honorable service in the Air Force, Army, Navy, Marine Corps, or Coast Guard, a cadet may request a waiver of the basic course, or any portion thereof, as a requirement for entrance into the advanced course.

- (b) For previous training in a senior division ROTC program at another institution, credit will be allowed equivalent to the number of quarters of the course successfully completed.

- b. In age, the student must not have reached his twenty-fifth birthday at the time of initial enrollment in the advanced course.
 - c. The physical standards prescribed for appointment to the United States Air Force Reserve in AFM 160-1 will apply. Allowance will be made for physical defects that can be corrected.
 - d. Mental and educational requirements:
 - (1) A satisfactory score for the Air Force Officer Qualification Test will be required.
 - (2) Enrollment in Southern Illinois University and academic "good standing" will be accepted in satisfaction of educational requirements.
 - (3) At the time of acceptance, the applicant must have at least two academic years remaining to complete all prerequisites for graduation from the University; or, if he is a graduate student, he must have a like period of time remaining to complete all work for an advanced degree. In addition, an applicant's academic standing must be in phase with his AF ROTC training.
3. All members of the advanced course will receive the following emoluments:
- a. A monetary allowance in lieu of subsistence, at a value to be announced by the Department of the Air Force, to be paid quarterly during the period of enrollment in the advanced course, except during the period of the summer training. The total period will not exceed 21 months.
 - b. An officer-type uniform—cadets will be furnished a uniform on a commutation basis. The uniform remains in the cadet's possession during his two-year enrollment and becomes his property upon successful completion of the advanced AF ROTC program.
 - c. The pay of the first enlisted grade (\$78.00 per month) while at advanced summer training unit and travel pay to and from camp at the rate of \$0.05 per mile.

The advanced course will consist of five hours of instruction per week for a minimum total period of seventy-two weeks.

The program of the advanced course will consist of generalized courses designed to develop those attributes of character, personality, and leadership which are essential to an officer in the USAF, supplemented by practical training in leadership, drill, and exercise of command.

Advanced Air Force ROTC summer training units of four weeks' duration will be conducted annually at Air Force installations to be designated by the Department of the Air Force.

Students enrolled in the advanced course will be required to complete

the summer training program prior to receiving their commission. They will normally attend camp immediately after completing the first-year advanced course.

Students enrolled in the AF ROTC courses at Southern Illinois University receive the following credits:

	Hours
1 hour of credit for each academic quarter of the basic course	3
4 hours of credit for each academic quarter of the advanced course	24
Total hours of credit for the basic and advanced courses	27

All credit received for the AF ROTC courses is allowable toward a bachelor's degree.

Air Force ROTC textbooks will be furnished on a loan basis to all AF ROTC students. They remain the property of the federal government and must be properly handled.

(Uniforms are furnished by the University for the use of the basic AF ROTC students. In case a uniform should become so worn or damaged as to be unfit for wear, the student may be held responsible to the extent determined by proper authority.)

All cadets are required to wear the uniform on such days and occasions as directed by the Professor of Air Science.

AIR FORCE ROTC AWARDS

Awards are presented to outstanding cadets at the close of the school year. Details concerning such awards are published at appropriate times on the cadet bulletin board. The following awards will be presented to recipients at an Awards Review held in May of each academic year.

1. The Trustees' Cup. Awarded to the best-drilled unit or squadron of the Cadet Corps; it will have the name of the unit or squadron of the Cadet Corps, the name of the unit or squadron commander, and designation of the winning unit or squadron inscribed on it. The cup will be retained at Southern Illinois University for display in the trophy case.

2. The Colonel's Cup. Awarded to that member of the Southern Illinois University Rifle Team scoring the highest total number of points in all competitive matches during the current year. The name of the winning cadet will be inscribed on the cup. The cup will be retained at Southern Illinois University for display in the trophy case.

3. The Commander's Award. Awarded by the detachment to cadet commanders appointed during the school year. Awarded in recognition of leadership ability as demonstrated in command positions in the cadet corps.

4. Leadership Potential Award. Awarded to the senior cadet who best

exemplifies potential leadership ability as judged by airmen of AF ROTC Detachment 205.

5. The Trustees' Award, Senior Student. Awarded to the outstanding cadet in the senior year, based on standing in the University and in AF ROTC, and aptitude for general service.

6. The Trustees' Award, Junior Student. Awarded on the same basis as for senior cadet, except to a junior.

7. The Trustees' Award, Sophomore Student. Awarded on the same basis as for senior cadet, except to a sophomore.

8. The Trustees' Award, Freshman Student. Awarded on the same basis as for senior cadet, except to a freshman.

9. The Trustees' Award, Marksmanship. Awarded to the member of the Rifle Team making the highest score in marksmanship during the current year.

10. Air Force Association Medal, Outstanding Advanced Cadet. Awarded to the Advanced Course cadet making the highest military grades of the year.

11. The Reserve Officers' Association Award, Senior Student. Awarded to the outstanding senior cadet, based on the University and AF ROTC grades for the current year and aptitude for general service.

12. The Air Force Times Award. Awarded to the senior cadet bringing constructive attention to the cadet corps.

13. Chicago Tribune Award, Junior Student. Awarded at the end of the first and third quarters of each school year to the outstanding junior cadet, based on the highest grade in the particular military course of the current quarter and aptitude for general service.

14. Chicago Tribune Award, Sophomore Student. Awarded on the same basis as junior cadet, except to a sophomore.

15. Convair Cadet Award, Sophomore Student. Awarded to the outstanding sophomore student applying and selected for the Advanced Cadet Corps.

16. American Legion Auxiliary Awards. National security awards, presented to AF ROTC cadets in recognition of continued outstanding service in the interest of the corps.

17. McDonnell Aviation Award. Awarded to the junior student in AF ROTC showing the greatest enthusiasm and interest by the presentation of a topic on air power.

18. Sons of American Revolution. Awarded to basic cadet with highest over-all academic standing and military aptitude.

19. Distinguished Advanced Cadets. To be designated by the PAS.

20. Distinguished Basic Cadet. To be designated by the PAS.

21. The Egyptian Council, Boy Scouts of America, Award. Awarded to the AF ROTC cadet who, while maintaining academic and military

proficiency, has contributed the highest degree of leadership and service to the Boy Scout program.

AIR SCIENCE COURSES

- 110-1 AIR SCIENCE 1, BASIC. An introductory course exploring the causes of present world conflict as they affect the security of the United States. This course includes analysis of democracy and communism, the U.S. power position in world affairs, the armed forces as an instrument of national policy, missions and functions of the Air Force, and the student's relation to U.S. world commitments. Two class hours per week and one hour of Leadership Laboratory.
- 210-1, 220-1 AIR SCIENCE 2, BASIC. Introduction to Air Science 2; evolution of aerial warfare; elements of aerial warfare; the employment of the air forces; operations in space-problems and possibilities. 2 hours lecture; 1 hour leadership laboratory. Prerequisites: 110, or equivalent with consent of Professor of Air Science.
- 301-4, 302-4, 303-4 AIR SCIENCE 3, ADVANCED. A survey course about the nature of war; development of airpower in the United States; mission and organization of the Defense Department; Air Force concepts, doctrine, and employment; astronautics and space operations; and the future development of aerospace power. Includes the United States space programs, vehicles, systems, and problems in space exploration. Three class hours per week, one hour of supervised research, and one hour of Leadership Laboratory.
- 351-4, 352-4, 353-4 AIR SCIENCE 4, ADVANCED. Air navigation; weather; military aspects of world political geography; international relations and the Air Force officer. 4 hours lecture; 1 hour Leadership Laboratory. Prerequisites: 301, 302, 303, or equivalent with consent of Professor of Air Science.



Southern Illinois University Foundation

The Southern Illinois University Foundation is a nonprofit corporation chartered by the state and authorized by the Board of Trustees to receive gifts for the benefit of the University, to buy and sell property, and otherwise to serve the University.

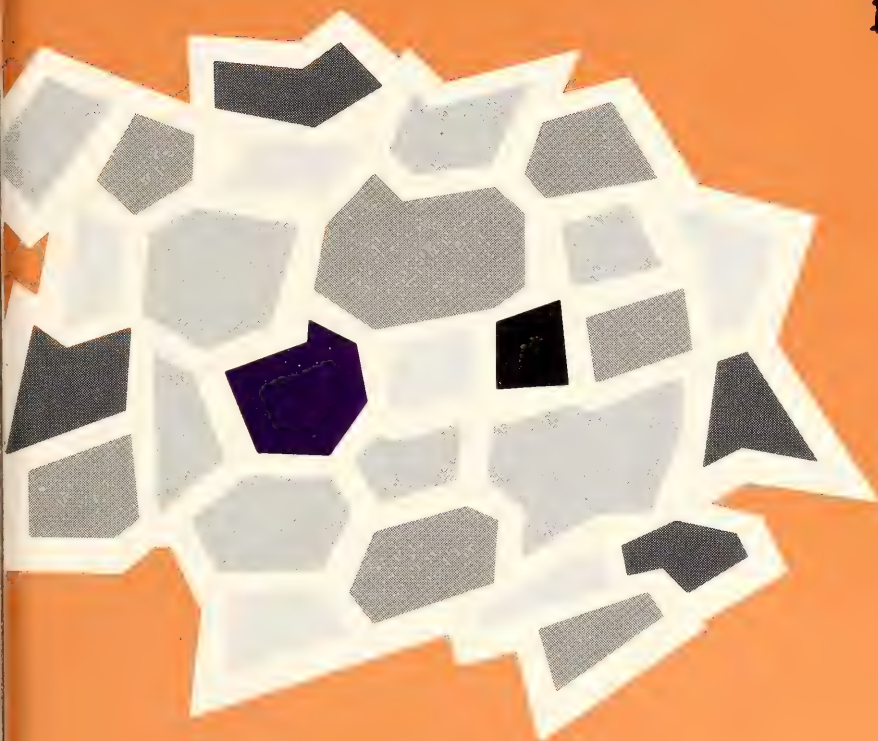
It respectfully asks alumni and other citizens of Southern Illinois to consider making gifts and bequests to benefit the University. Such gifts should be conveyed to the Foundation, with proper stipulation as to their uses. The Foundation, through its officers and members, will be glad to confer with intending donors regarding suitable clauses to insert in wills and suitable forms of gifts and memorials, including bequests by means of life insurance. Large or small gifts to the library will be appreciated; likewise, gifts for special equipment, buildings, endowment of professorships in particular subjects, gifts to student loan funds and scholarship funds, gifts for the use of foreign students, and endowments for particular sorts of research. Any gifts or bequests can be given suitable memorial names.

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Southern Illinois University

Bulletin



Divisional Announcements

EDWARDSVILLE CAMPUS

1964-66

Alton, East St. Louis, Edwardsville

Objectives of Southern Illinois University

TO EXALT BEAUTY

IN LIFE
IN NATURE,
AND IN ART;
TEACHING HOW TO LOVE THE BEST
BUT TO KEEP THE HUMAN TOUCH;

TO ADVANCE LEARNING

IN ALL LINES OF TRUTH
WHEREVER THEY MAY LEAD,
SHOWING HOW TO THINK
RATHER THAN WHAT TO THINK,
ASSISTING THE POWERS
OF THE MIND
IN THEIR SELF-DEVELOPMENT;

TO FORWARD IDEAS AND IDEALS

IN OUR DEMOCRACY,
INSPIRING RESPECT FOR OTHERS
AS FOR OURSELVES
EVER PROMOTING FREEDOM
WITH RESPONSIBILITY

TO BECOME A CENTER OF ORDER AND LIGHT

THAT KNOWLEDGE MAY LEAD
TO UNDERSTANDING
AND UNDERSTANDING
TO WISDOM

Edwardsville Campus

Announcements for 1964-1966



SOUTHERN ILLINOIS UNIVERSITY BULLETIN
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The following issues of the *Southern Illinois University Bulletin* may be obtained without charge from Central Publications, Southern Illinois University, Carbondale, Illinois 62903.

General Information
General Studies and AF ROTC
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Summer Session (Carbondale)
Summer Session (Edwardsville)
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Graduate School
College of Education
College of Liberal Arts and Sciences
School of Agriculture
School of Business
School of Communications
School of Fine Arts
School of Home Economics
School of Technology
Division of Technical and Adult Education
Department of Nursing

All intending students should have the General Information bulletin (issued once a year), plus the special bulletins of the various educational units in which they are most interested.

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Department of Nursing, MARGARET T. SHAY, *Chairman*

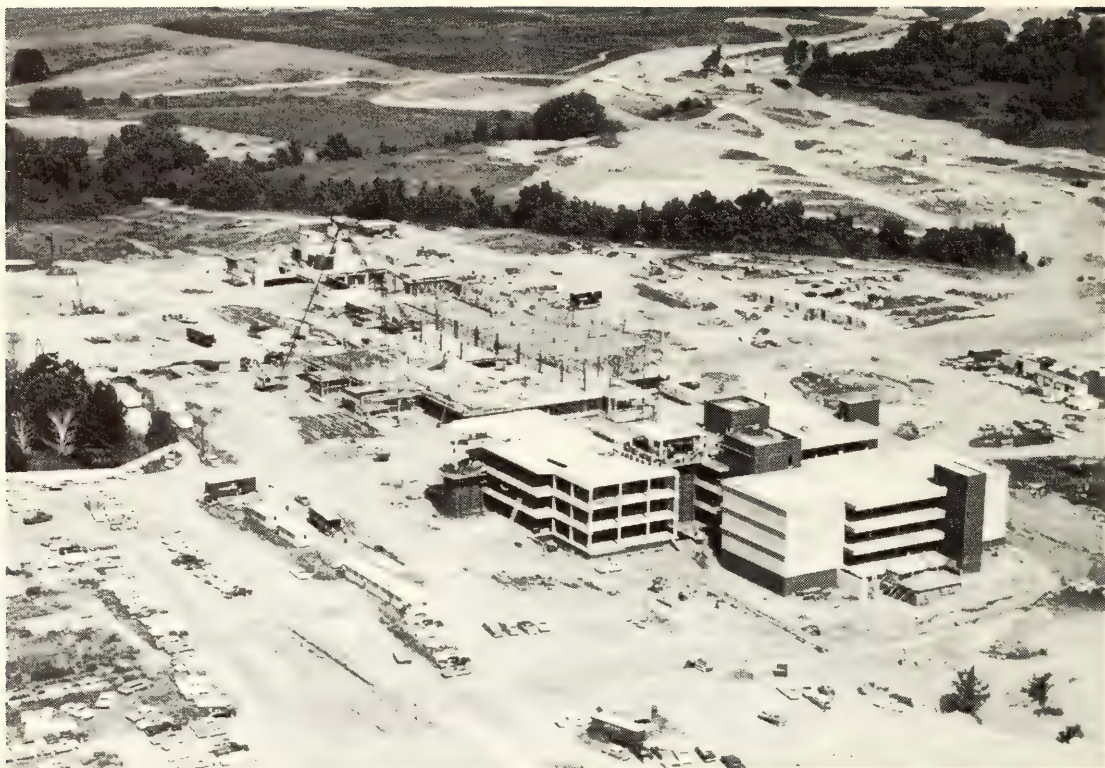
This Bulletin

covers in detail questions concerning the Edwardsville Campus. It does not cover all questions concerning Southern Illinois University. For complete information about the University the prospective student should refer to the General Information bulletin.

This issue supersedes Volume 5, Number 5.

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Southwest of Edwardsville, the initial stage of the new campus is taking shape. The three buildings under construction are those shown in the background of the picture below.



Edwardsville Campus

SOUTHERN ILLINOIS UNIVERSITY was established at Carbondale in 1869 as Southern Illinois Normal University. The shortened name became official in 1947 by action of the state legislature.

For some years after its establishment, Southern operated as a two-year normal school. In 1907 it became a four-year, degree-granting institution, though continuing its two-year course until 1936. In 1943 the state legislature changed the institution, which had been in theory exclusively a teacher-training school, into a university, thereby taking official recognition of the great demand in the area for diversified training.

The Graduate School, approved in 1943, at first granted only the Master of Science in Education degree. In 1948 it was authorized to grant also the Master of Arts and Master of Science degrees. In 1952 the Master of Fine Arts degree was added to this list, and in 1955 the Doctor of Philosophy degree was added. The Master of Music and the Master of Music Education degrees were authorized in 1956.

In the summer of 1957, a residence center was established at Alton on the former Shurtleff College campus, and in September of the same year a residence center was opened in East St. Louis.

During the year 1958-59 the communities of Madison and St. Clair counties joined hands to help provide for the program in southwestern Illinois a large central campus site, located southwest of Edwardsville on By-pass 66. The central administrative offices of the Edwardsville Campus are housed on this site, and construction is underway on instructional buildings.

The East St. Louis center occupies a city block facing Ohio Street at Ninth and Tenth. Laboratories, classrooms, libraries, and other facilities of a former senior high school have been redesigned and re-equipped to

provide for a comprehensive undergraduate and graduate program. Faculty offices are located in nearby temporary buildings.

In Alton eight permanent buildings form the nucleus of a 40-acre campus. Eleven additional buildings have been prepared on a temporary basis to meet the needs of an expanded undergraduate and graduate program.

PROGRAMS OF INSTRUCTION

The Edwardsville Campus offers undergraduate, preprofessional, graduate, and adult-education programs.

BACHELOR'S DEGREE PROGRAMS

The six academic divisions of the Edwardsville Campus and the Department of Nursing prepare students for the following degrees: Bachelor of Arts (B.A.), Bachelor of Science (B.S.), Bachelor of Science in Education (B.S. in Ed.), and Bachelor of Music (B. Mus.). Programs leading to these degrees are described in subsequent chapters of this bulletin. The nursing program is described in the Department of Nursing bulletin.

PREPROFESSIONAL PROGRAMS

Preprofessional students may obtain, subject to certain conditions, a bachelor's degree after three years' work (144 quarter hours) at Southern and one or more years' work in a professional school. During their three years of residence at Southern they need to have completed all requirements other than elective hours for the bachelor's degree which they are seeking. In some cases the completion of concentration requirements is possible by their taking certain courses at the professional school, but this is permitted only upon the prior approval of the appropriate divisional head. Also, there needs to be completion of at least one year of professional work with acceptable grades in a Class A medical school, a Class A dental school, a Class A veterinary school, or an approved law school. In all cases, all University graduation requirements must be met. It is advisable for a student interested in this program to make his decision to seek a bachelor's degree before entering the professional school so that any questions may be clarified at an early date.

Students working toward the Bachelor of Science in Agriculture degree may attend the Edwardsville Campus their freshman year and transfer to the Carbondale Campus for the completion of the degree. In preparing

for one of the agricultural professions, the student should follow closely the appropriate curriculum as suggested in the School of Agriculture bulletin.

Students working toward a Bachelor of Science degree in home economics may attend the Edwardsville Campus their freshman and sophomore years and transfer to the Carbondale Campus for the completion of the degree. In preparing for this degree, the student should follow closely the appropriate curriculum in the School of Home Economics bulletin.

GRADUATE PROGRAMS

The purpose of graduate course offerings is to make available to advanced students courses and other work which will increase their competencies in particular fields. Development of the power of independent investigation is especially sought. The association of mature and beginning scholars is an important aspect of graduate work and is encouraged.

The Master of Science in Education degree may be obtained on the Edwardsville Campus with five fields of emphasis. These are administration and supervision, elementary education, guidance, special education, and secondary education with several specialties. Graduate courses in other areas are also available.

For information concerning programs leading to master's degrees and the Doctor of Philosophy degree, refer to the Graduate School issue of the *Southern Illinois University Bulletin*.

ASSOCIATE DEGREE PROGRAM

The Associate in Business degree program is described in the Division of Technical and Adult Education issue of the *Southern Illinois University Bulletin* and in a subsequent chapter of this bulletin.

ADULT EDUCATION PROGRAMS

The adult education programs are described in the Division of Technical and Adult Education issue of the *Southern Illinois University Bulletin* and in a subsequent chapter of this bulletin.

ADMISSION TO THE UNIVERSITY

All inquiries concerning admission to the Edwardsville Campus of Southern Illinois University should be directed to the Admissions Office, Southern Illinois University, Edwardsville, Illinois 62025. Application for

admission and transcripts of high school and previous college work should be in the Admissions Office at least thirty days in advance of the desired entrance date. Applications for admission may be submitted earlier if desired. High school seniors should apply for admission at the beginning of the last semester of the senior year.

Many students find it helpful to visit the campus prior to making application for admission. The University encourages such visits and welcomes interviews with prospective students.

Students desiring to pursue a master's degree program should refer to the Graduate School bulletin and consult with the graduate adviser in the Graduate Office at the Alton or East St. Louis center.

For regulations and procedures see the General Information issue of the *Southern Illinois University Bulletin*.

COMPLETE DETAILS concerning admission, tuition, fees, degree requirements, and student employment are given in the General Information bulletin. For a free copy write to Central Publications, Southern Illinois University, Carbondale, Illinois 62903.

TUITION AND FEES

At the present time legal residents of Illinois registered for more than 8 hours pay a total of \$64.50 per quarter. This includes \$42.00 tuition, an \$8.00 book rental fee, a \$5.00 University Center fee, and a \$9.50 student activity fee. Out-of-state students pay an additional \$80.00 tuition, or a total of \$144.50. Students registered for 8 hours or fewer pay one-half tuition, one-half book rental fee, and full University Center fee; they have the option of paying the student activity fee.

ADVISEMENT FOR REGISTRATION

To insure that an undergraduate student is properly advised on a course of study which will both broaden his background and prepare him for his chosen career, the Edwardsville Campus has made academic advisement a major concern of a chief academic adviser (at each center) and his staff and the division heads and their staffs.

Advisement sessions for the new freshmen are held as part of new student orientation each quarter. Each new transfer student should plan to

meet with his adviser prior to initial registration; appointments can be initiated by calling the office of Academic Advisement.

REGISTRATION INFORMATION

Registration for classes on the Edwardsville Campus is completed at the enrollment division of the Registrar's Office at the Alton and East St. Louis centers and at the Office of the Registrar in Edwardsville. The period of time from the third through the tenth week of each quarter is used for registration for the following quarter. A new student may also register on the opening day of each quarter.

Registration for any session of the University is contingent upon being eligible for registration. Thus a registration including the payment of tuition and fees may be considered invalid if the student is declared to be ineligible to register due to scholastic reasons. The same situation may exist due to financial reasons or to disciplinary reasons if certified to the registrar by the Director of Student Affairs.

REQUIREMENTS FOR THE BACHELOR'S DEGREE

Each candidate for the degree must complete 192 hours of credit in approved courses. At least 64 hours must be in 300-level courses or above. Each student must have a C average and grades not lower than C in subjects aggregating at least three-fourths of the work. A C average is required in the field of concentration. These averages are required for credit made at Southern as well as for the total record. A transfer student must present either a total of three years of work (144 hours) earned at Southern or 48 senior college hours earned at Southern, 16 of which may be earned in extension.

Every bachelor's degree candidate is expected to meet the University's general requirements and to follow the recommendations of his academic unit. The general requirements, besides those listed above, are embodied in the General Studies program. This program is described fully in the General Studies bulletin and is outlined below.

OUTLINE OF GENERAL STUDIES REQUIREMENTS

<i>Area A: Man's Physical Environment and Biological Inheritance....</i>	<i>24 hours</i>
A first-level basic sequence	9 hours

A second-level continuation sequence	9 hours
Third-level advanced courses	6 hours
<i>Area B: Man's Social Inheritance and Social Responsibilities</i>	24 hours
A first-level basic sequence	9 hours
A second-level continuation sequence	9 hours
Third-level advanced courses	6 hours
<i>Area C: Man's Insights and Appreciations</i>	24 hours
A first-level basic sequence	9 hours
A second-level continuation sequence	9 hours
Third-level advanced courses	6 hours
<i>Area D: Organization and Communication of Ideas</i>	18 hours
Required college composition and speech	9 hours
Either a foreign language sequence or a basic mathematics sequence	9 hours
<i>Area E: Health and Physical Development</i>	6 hours
First-level required physical education	3 hours
Second-level required health education	3 hours
<i>Total:</i>	96 hours
If a first-level sequence is waived, the total is only 87 hours.	

Specific courses available in these areas are described in the General Studies bulletin and listed in the Schedule of Classes.

There are three ways in which partial requirements of the General Studies program may be met without taking the courses specifically designed to meet those requirements. They are waivers, advanced-standing assignments, and proficiency examinations. These are described in the General Studies bulletin.

The physical education requirement can be waived only by the Graduation Appeals Committee upon the recommendation of a physician approved by the University. Waiver procedure should be initiated early in the student's college course and in no case later than the end of the sophomore year. Any student thirty years of age or older is not subject to this requirement.

Because of the importance of written and oral communication, each full-time student must enroll each quarter in English Composition until the required sequence has been satisfactorily passed. A transfer student will be granted English proficiency credit only in those composition courses in which he has received a grade of C or better at an accredited institution. (Proficiency credit in courses with grades lower than C will be at the disposition of the English faculty, approved by the head of the Humanities Division.)

CONCENTRATION REQUIREMENTS

Every degree candidate is expected to follow the basic program set out here, plus the advanced work recommended by the division in which he expects to concentrate as indicated in the following pages of this bulletin. If the student intends to take his degree elsewhere, the adviser may recommend changes in these requirements in favor of those of the institution from which the student plans to be graduated. If the student changes his mind and decides to take his degree at Southern, none of the degree requirements can be waived.

EXCEPTIONS

A student may satisfy any of the above requirements by passing non-credit attainment tests. (These tests, which may be taken only one time, must be applied for before the middle of the quarter in which the noncredit pass is to appear on the student's record.) In some cases, more advanced work may be substituted for the required courses listed. A student who transfers in his junior or senior year may substitute senior college courses in most areas for the freshman and sophomore courses listed previously.

APPLICATION FOR GRADUATION

Every degree candidate should signify his intention to graduate by making application for graduation no later than the first week of his last quarter in attendance before the desired graduation date. Therefore, a person desiring to graduate in the June commencement must make application for graduation during the first week of the spring quarter. The application forms are available in the Registrar's Office.

BACHELOR OF ARTS DEGREE REQUIREMENTS

In addition to the University's general requirements for a bachelor's degree, a person working toward a Bachelor of Arts degree must have the following:

1. A reading knowledge of a foreign language, ordinarily requiring 9 hours of university study or its equivalent.
2. A primary concentration of at least 42 hours and a secondary concentration of at least 24 hours. Some areas of concentration require more than the minimum number of hours.

Business Division

Accounting; Business Education; Economics; Management; Marketing

THE BUSINESS DIVISION seeks to prepare the student for successful performance in the business world. Opportunity is provided for the student to gain a knowledge of the operational phases of business and a familiarity with the sources of information and methods of collecting and interpreting data. The programs seek to develop in the student an understanding of, and a skill in, the art of human relations and a high sense of integrity and responsibility.

FACULTY OF ACCOUNTING

Associate Professors John E. Dwyer (M.B.A., Chicago), Richard J. Milles (M.S. in C., St. Louis; *chairman*), Joe R. Small (M.B.A., Kansas).

Assistant Professors Donald P. Bedel (M.B.A., St. Louis), Richard L. Davison (M.S., Illinois), Norbert V. Schmitt (M.S. in C., St. Louis), Robert A. Schuchardt (M.B.A., Washington University), Norbert C. Terre (M.B.A., Washington University).

FACULTY OF BUSINESS ADMINISTRATION

Professors Walter L. Blackledge (Ph.D., Iowa), John J. Glynn (Ph.D., St. Louis), Ralston D. Scott (Ph.D., New York; *chairman*).

Associate Professors Harlin L. Heath (L.L.B., M.S. in C., St. Louis), Don A. Livingston (Ph.D., St. Louis), John V. Meador (Ph.D., Iowa State), Roy E. Thomas (Ph.D., Texas), Joseph M. Thorson (M.A., Seton Hall).

Assistant Professors Emery R. Casstevens (B.S.E.E., U.S. Naval Academy), Robert W. Eckles (M.B.A., Miami University), Paul R. Tarpey (M.S., Oklahoma State), Clarence E. Vincent (D.B.A., Indiana).

Instructor Virgil I. Pinkstaff (M.A., Washington University).

Visiting Professor Harold G. Cutright (M.B.A., New York).

Lecturer John Ingwersen (M.B.A., New York).

Term Instructors and Lecturers Dale F. Blount, Daniel B. Bosse, Norman J. Bucher, Richard N. McKinney, Timothy F. Ruddy, Paul J. Skjerseth.

FACULTY OF ECONOMICS

Professors Leo Cohen (Ph.D., California, Los Angeles), Lewis S. Drake (Ph.D., Michigan State), John J. Glynn (Ph.D., St. Louis; *interim chairman*), Ralston D. Scott (Ph.D., New York).

Associate Professors Don A. Livingston (Ph.D., St. Louis), Ann S. Schwier (Ph.D., St. Louis), Joseph M. Thorson (M.A., Seton Hall).

Assistant Professors John P. Carew (M.A., Stanford), David C. Luan (Ph.D., Texas), Thomas E. Van Dahm (Ph.D., Michigan).

Term Instructors and Lecturers James A. McDonald, Karl A. Sauber.

FACULTY OF SECRETARIAL STUDIES

Professor Mary M. Brady (Ed.D., New York; chairman).

Associate Professor Gene L. Houser (M.S., Michigan).

Assistant Professors Kenneth E. Martin (M.S., Kansas State), Harold Nelson (M.B.A., Denver), Elise D. Palmer (Ed.D., Tennessee), Gayle A. Sobolik (M.A., North Dakota).

Term Instructors and Lecturers Jack Coffey, Dona F. Frost, Walter M. Hansel, Robert J. Motley.

The Bachelor of Science degree may be earned in the Business Division with one of the following concentrations: accounting, business education, economics, management, marketing. The Bachelor of Arts degree may be earned in the Social Sciences Division in economics. The Bachelor of Science in Education degree may be earned in the Education Division in business-teacher education or in economics.

DIVISIONAL REQUIREMENTS

Students who intend to enter the Business Division should take GSD 114a,b and 114d (Business Division section) rather than a foreign language to satisfy the General Studies requirement in Area D.

The professional Core Program required of all candidates for the Bachelor of Science degree in the Business Division, as well as all students electing a primary concentration within the division, consists of 39 or 42 hours of credit (in addition to GSB 211a and GSD 114d) in the following courses:

GSB 211a	(3)
GSD 114d (Business Division section)	(3)
Accounting 251-12	12
Economics 210, 315, 470 (or GSB 311)	9 + (3), or 12
Management 320, 340, 371	13
Marketing 230	5

The student must have at least 77 quarter hours in the Business Division and at least 77 outside the division.

The requirements for the Bachelor of Arts degree with a concentration in economics and for the Bachelor of Science in Education degree with a concentration in business-teacher education are set forth in the respective areas of economics and business education.

ACCOUNTING

Accounting is the means by which the many transactions of business are analyzed, recorded, presented, and interpreted. The ability to analyze,

present, and interpret is not acquired easily; it is one that takes thorough and serious study.

The accounting program is designed to develop those abilities which lead to professional positions in cost accounting, auditing, income tax, financial statement analysis, and general financial accounting. The operation of a business and its financial condition are of interest to its owners, to its employees, to its creditors, to the various governmental bodies, and to the public.

The accounting curriculum is designed to cover four basic areas of study; theory, cost accounting, tax, and auditing. In addition to the four basic areas, special courses are offered in governmental accounting, accounting systems, and Certified Public Accountant problems. Although individuals trained in accounting might work in private industrial firms, public accounting firms, governmental agencies, or in college teaching, the four basic areas in accounting are needed as background. Those individuals desiring to engage in public accounting in Illinois should familiarize themselves with the Illinois laws and regulations covering the certification of certified public accountants. The regulations are published by the Committee on Accountancy, University of Illinois, Urbana, Illinois.

SUGGESTED CURRICULUM

BACHELOR OF SCIENCE DEGREE

<i>General Studies Requirements</i> (See page 5.).....	87
<i>Business Division Requirements</i> (See page 9.)	39-42
<i>Accounting Concentration Requirements</i>	44-45
Accounting 331, 341, 351-12, 356, 442	29
Accounting 355, 432, 458, 461 (any one)	3-4
Management 170, 271, 372 or 373	12
<i>Electives</i>	22-18
<i>Total</i>	192

SECONDARY CONCENTRATION

Requirements for a 24-hour secondary concentration in accounting consist of 251-12, 8 hours of senior credit courses (300-499) in accounting, and Management 170.

COURSE DESCRIPTIONS

251-12 (4,4,4). ELEMENTARY ACCOUNTING I, II, III. Principles and practices in handling transactions in books of original entry and books of accounts—trial balances, adjustments, and financial statements—for pro-

prietorships, partnerships, and corporations. Basic problems concerning statement analysis, presentation, and interpretation. Must be taken in a,b,c sequence, or any one part may be taken separately.

- 301-1 to 6. ACCOUNTING READINGS. Directed readings in books and periodicals in a defined field, under supervision of one or more staff members. Periodic written and oral reports are required. Prerequisite: junior standing and consent of division head.
- 331-5. TAX ACCOUNTING. Study of accounting principles and procedures for meeting requirements of current laws and regulations which relate to federal income tax and social security taxes. Laboratory problems and preparation of tax returns with special emphasis on the individual taxpayer. Prerequisite: 251c.
- 341-3. COST ACCOUNTING. Departmental, job order, and process cost. Accumulation of material and labor costs; factory overhead and its allocation; cost reports to management—their preparation and use. Prerequisite: 251c.
- 351-12 (4,4,4). ADVANCED ACCOUNTING I, II, III. Accounting principles and procedures for the preparation of adequate financial statements. Special attention given depreciation, appraisals, investments, intangibles, installment sales, consignments, branch accounts, sinking funds, annuities, leaseholds, and bonds. Preparation and use of special statements, application of funds, statement of affairs, and consolidated statements. Prerequisite: 251c. Must be taken in a,b,c sequence, or any one part may be taken separately.
- 355-3. GOVERNMENTAL ACCOUNTING. Budget and operating fund accounts, with emphasis on accounting control as a means of improving administration of public enterprises. Prerequisite: 251c.
- 356-5. AUDITING. Procedures and practices of public accountants in verifying accounts and supplementary data; training in preparation and analysis of reports. Prerequisite: 351c.
- 432-4. PROBLEMS IN FEDERAL TAXATION. Study of income tax problems which arise from partnership, corporation, estate, and trust type of organization. Brief study of federal estate and gift taxes. Student does research in source materials in arriving at solutions of complicated tax problems. Prerequisite: 331.
- 442-4. ADVANCED COST ACCOUNTING. Standard costs and distribution costs. Special problems in cost accounting, including joint product, by-product, and capacity costs. Prerequisite: 341.
- 458-4. ACCOUNTING SYSTEMS. Problems in accounting systems design and installation. Examination of existing systems and practice in system design. Prerequisite: 341 and 351c.

BUSINESS EDUCATION

Two undergraduate programs of study are offered in business education: (1) secretarial studies and office management, for the student preparing to enter this phase of business; and (2) business-teacher education, for the student preparing to teach business subjects in the secondary school.

The secretarial studies and office management program leads to the Bachelor of Science degree in the Business Division. It provides training for responsible positions in secretarial work and in office management.

The business-teacher education program leads to the Bachelor of Science in Education degree in the Education Division. The program is divided into eight teaching areas from which students may select four or more according to their interests.

A graduate secondary concentration is offered in business education, with a concentration in education. This program leads to the Master of Science in Education degree.

SUGGESTED CURRICULA

BACHELOR OF SCIENCE DEGREE

<i>General Studies Requirements</i> (See page 5.).....	87
<i>Business Division Requirements</i> (See page 9.)	39-42
<i>Requirements for Concentration in Secretarial Studies and Office Management</i>	59-81
Business Education 201-9 ¹ , 241, 304, 326, 341, 407, 427, 428	25-34
Business Education 221-12 ² , 324-8 or 8 hours of electives in accounting, management, or marketing	8-20
Management 170, 240, 271, 361, 372 or 373, 385	23
Marketing 334 or 336	3-4
<i>Electives</i>	7-0
<i>Total</i> ³	192-210

BACHELOR OF SCIENCE IN EDUCATION DEGREE

<i>General Studies Requirements</i> (See page 5.).....	87
<i>Requirements for Concentration in Business-Teacher Education</i>	27-33
GSB 201c, 211-9, 331-3	(12) + 3
GSD 114d (Business Division Section)	(3)
Accounting 251a	4
Management 170, 271, 371	12
Business Education 201a,b ⁴ , 407, 411	8-14
<i>At least four teaching areas selected from the following:</i>	43-78
1. Typewriting: BsEd 201c ⁵ , 241, 304, 403.	
2. Shorthand: BsEd 221-12 ² , 324-8, 404.	
3. Bookkeeping or Record Keeping: Acct 251b,c; BsEd 408.	
4. Basic Business Subjects: Acct 251b,c; Econ 210; Mktg 230, and 331 or 333, BsEd 405.	

5. Clerical Practice and Office Machines: BsEd 201c ⁵ , 241, 304, 326, 341, 406, 427.	
6. Secretarial Practice and Office Machines: BsEd 201c ⁵ , 221–12 ² , 241, 304, 324–8, 326, 341, 406, 427. (Equivalent to two areas.)	
7. Business Law: Mgt 372, 373.	
8. Salesmanship and Retailing: Mktg 230, 331, 333, 337.	
<i>Professional Education Requirements</i> (See page 40.)	28–32
<i>Electives</i>	7–0
<i>Total</i> ³	192

SECONDARY CONCENTRATIONS

Secondary concentrations are offered in the following areas: (1) secretarial studies and office management consisting of a minimum of 25 hours in business; (2) business-teacher education consisting of a minimum of 30 hours in business.

Secondary concentrations are generally planned for each student individually by the student and his adviser. This procedure is necessary because students' backgrounds and needs vary greatly. The typical secondary concentrations which follow, however, will fit the needs of many students.

Typical Secondary Concentrations in Secretarial Studies and Office Management

1. For students with no previous training in typewriting or shorthand: 201–9, 221–12, 241, 304, 324–8. Total: 34 hours.
2. For students with one year of previous training in both typewriting and shorthand or who can type at 35 words per minute and take sustained, new-matter dictation at 70 words per minute: 201c, 221c, 241, 304, 324–8, 341, Management 271. Total: 28 hours.
3. For students with two years of previous training in both typewriting and shorthand or who can type at 45 words per minute and take sustained, new-matter dictation at 80 words per minute: 241, 304, 324–8, 326, 341, 407, Management 271. Total: 29 hours.

¹ Students who demonstrate competency in typewriting may be excused from as many as 9 hours.

² Students who demonstrate competency in shorthand may be excused from as many as 12 hours.

³ The total for most students will be 192 because they may omit the first courses in typewriting and shorthand as a result of their having taken such courses in high school.

⁴ Students who demonstrate competency in typewriting may be excused from as many as 6 hours.

⁵ Students who demonstrate competency in typewriting may be excused from as many as 3 hours.

4. For students with two years of previous training in both typewriting and shorthand or who can type at 45 words per minute and take sustained, new-matter dictation at 90 words per minute: 241, 304, 324b-4, 326, 341, 407, Management 271. Total: 25 hours.

Typical Secondary Concentrations in Business-Teacher Education

1. Preparation for teaching bookkeeping, office machines, and basic business subjects: 201a, 241, 341, 405, 408, Accounting 251-12, Management 170, 371. Total 35 hours.

2. Preparation for teaching typewriting and basic business subjects for students without previous training in typewriting: 201-9, 304, 403, 405, Management 170, 271, 371. Total: 30 hours.

3. Preparation for teaching typewriting and shorthand for students without previous training in typewriting and shorthand: 201-9, 221-12, 304, 324-8, 403, 404. Total: 38 hours.

4. Preparation for teaching typewriting, shorthand, office practice, and office machines for students with two years of previous training in typewriting and one year of previous training in shorthand or who can type at 45 words per minute and take sustained, new-matter dictation at 70 words per minute: 221c, 241, 304, 324-8, 326, 341, 403, 404. Total: 31 hours.

5. Preparation for teaching typewriting, shorthand, and secretarial practice for students with two years of previous training in both typewriting and shorthand, or who can type at 45 words per minute and take sustained, new-matter dictation at 90 words per minute: 241, 304, 324b-4, 326, 341, 403, 404, Management 271. Total: 31 hours.

6. Preparation for teaching typewriting, shorthand, and secretarial practice for students with two years of previous training in both typewriting and shorthand, or who can type at 45 words per minute and take sustained, new-matter dictation at 90 words per minute: 241, 304, 324b-4, 326, 341, 403, 404, 407, Management 271. Total: 31 hours.

7. Preparation for teaching typewriting, shorthand, bookkeeping, and basic business subjects for students with two years of previous training in both typewriting and shorthand, or who can type at 45 words per minute and take sustained, new-matter dictation at 90 words per minute: 241, 304, 324b-4, 403 or 404, 405 or 408. Accounting 251-12, Management 170, 371. Total: 35 hours.

COURSE DESCRIPTIONS

Tests are given during the first week of all shorthand and typewriting courses to insure the correct placement of students in classes.

- 201-9 (3,3,3). TYPEWRITING I, II, III. Develops skill for business teacher training as well as for personal and vocational use. Training includes not only the development of speed and accuracy on straight-copy work, but also the ability to prepare business letters, tabulations, reports, manuscripts, and other vocational applications. Must be taken in a,b,c sequence, or any one part may be taken separately. (a) May be taken for credit only by students who have had less than one semester of formal training in typewriting. Others may audit. (b) Prerequisite: 201a or one semester of typewriting with the ability to type at least 30 words per minute and to prepare simple business correspondence. (c) Prerequisite: 201b or one year of formal training in typewriting with the ability to type at least 40 words per minute and to prepare business correspondence, tabulations, and manuscripts of moderate difficulty.
- 221-12 (4,4,4). SHORTHAND I, II, III. A complete study of Gregg Shorthand theory, and the development of skill in dictation and transcription. Must be taken in a,b,c sequence, or any one part may be taken separately. (a) May be taken for credit only by students who have had less than one semester of formal training in shorthand. Others may audit. (b) Prerequisite: 221a or one semester of shorthand with the ability to take dictation for three minutes at 50 words per minute. (c) Prerequisite: 221b or one year of formal training in shorthand with the ability to take dictation at 60 words per minute for three minutes.
- 241-2. DUPLICATING. Develops skills and knowledge in the preparation of masters for direct-process, stencil, and offset duplicators and the operation of direct-process and stencil duplicators.
- 304-3. TYPEWRITING IV. Development of advanced skills in typing straight copy, business correspondence, manuscripts, forms, and tables; preparation of copy from rough draft materials; typing master copies for duplicating machines; transcription from machine dictation. Prerequisite: 201c or 1½ to 2 years of high school typing and the ability to type at least 45 words per minute and to prepare business correspondence, tables, manuscripts, forms, etc.
- 324-8 (4,4). SHORTHAND IV, V. Develops high-level skill in dictation and transcription. Training includes dictation of business and technical copy at varying rates of speed and the development of sustained transcription skill. Must be taken in a,b sequence, or either part may be taken separately. (a) Prerequisite: 221c or 1½ years of formal training in shorthand with the ability to take dictation at 80 words per minute for five minutes. (b) Prerequisite: 324a or two years of formal training in shorthand with the ability to take dictation at 100 words per minute for five minutes.
- 326-4. OFFICE THEORIES AND PRACTICES. Survey and analysis of office positions, salary rates, office trends, efficiency techniques, and office and desk layout. Opportunities to study reference sources, to prepare for and participate in interviews, to make self evaluations, and to pursue areas of special interest. Prerequisite: 1 year of typewriting.
- 341-4. OFFICE MACHINES. Training in the operation of all basic office machines, emphasizing the characteristic uses of each type of machine. Laboratory practice required.
- 403-3. TEACHING TYPEWRITING. Conduct of instruction in typewriting; the programming of activities in typewriting training, methods of in-

- struction, skill-building principles and techniques, selection and preparation of practice materials, standards of achievement, and evaluation of pupils progress. Prerequisite: 304 or equivalent.
- 404-3. TEACHING SHORTHAND AND TRANSCRIPTION. Conduct of instruction in shorthand and transcription: the programming of activities in shorthand and transcription training, methods of instruction, skill-building principles and techniques, selection and preparation of practice and homework materials, standards of achievement, and evaluation of pupil progress. Prerequisite: 324a or equivalent.
- 405-3 to 4. TEACHING BASIC BUSINESS SUBJECTS. Instructional methods and materials for, and the evaluation of pupil progress in, such basic business subjects as general business, consumer education, economic geography, and business law. Prerequisite: consent of instructor.
- 406-4. TEACHING CLERICAL PRACTICE AND OFFICE MACHINES. Instructional methods and materials for, and the evaluation of pupil progress in, clerical practice and office machines. Prerequisites: 304, 341, or equivalent.
- 407-4. OFFICE MANAGEMENT. A study of the principles of management as applied to office problems. Emphasis on the role of the office in business management; office organization; physical facilities of the office; office services, procedures, standards, and controls; records management; and office automation, including integrated data processing. Prerequisite: consent of instructor.
- 408-3. TEACHING BOOKKEEPING AND ACCOUNTING. Instructional methods and materials for, and the evaluation of pupil progress in, bookkeeping and accounting. Attention also given to the teaching of business arithmetic. Prerequisite: Accounting 251c or equivalent.
- 411-4. SURVEY OF BUSINESS EDUCATION. The role of the business teacher in the secondary school. An analysis of the objectives as related to secondary education; a study of areas of business education involving courses, scope, and guidance. A survey of trends and external influences. For undergraduate upperclassmen only.
- 427-4. RECORDS ADMINISTRATION. The requisites for records administration. The value of files, their creation, control, retention, and disposition. Applications to such records as medical, legal, educational. Prerequisite: 407.
- 428-4. SYSTEMS AND PROCEDURES. A problems approach to the office systems-procedures function in the modern business firm; seminar and laboratory work on improvement of systems and procedures, administrative information and paperwork engineering; theory of office-systems design; systems administration and work simplification. Prerequisite: 407 or consent of instructor.
- 500-2 to 5. Readings in Business Education.
- 501-2 to 5. Individual Research in Business Education.
- 502-4. Research in Business Education.
- 503-4. Tests and Measurements in Business Education.
- 506-4. Principles and Problems of Business Education.

ECONOMICS

Courses in economics will help students understand the principles concerning the production and distribution of goods and services. Important but controversial issues, such as depression, inflation, labor unions and business monopoly, tariffs, and government spending, are discussed and analyzed.

Training in economics will prepare an individual for a position in private industry, government service, or teaching. Business and governmental agencies employ economists in management training programs, research, and administrative positions. Economics also provides an excellent background needed for the individual's understanding and evaluation of economic policy of government.

Students interested in economics, as a field of concentration, may pursue a somewhat specialized study in such fields as money and banking, industrial relations, finance, and international trade. The over-all sequence of courses, including those in related areas such as business, education, psychology, mathematics, and government, should be planned in co-operation with an adviser in the Business Division.

SUGGESTED CURRICULA

BACHELOR OF SCIENCE DEGREE

<i>General Studies Requirements</i> (See page 5.)	87
<i>Business Division Requirements</i> (See page 9.)	39 or 42
<i>Economics Concentration Requirements</i>	41 or 38
Economics 310, 328, 330, 418, 440, 441, 450, 470, 481	33 or 30
GSB 311	(3)
Management 380, 473	8
<i>Electives</i>	25
<i>Total</i>	192

BACHELOR OF ARTS DEGREE

For a degree in the Social Sciences Division, the following courses constitute a concentration in economics: GSB 211a, 311, Economics 210, 307 (or GSD 114d Business Division section), 310, 315, 328, 330, 440, 441, 450, 470, 481, Accounting 251a, Mathematics 111 (or GSD 114a,b).

BACHELOR OF SCIENCE IN EDUCATION DEGREE

For this degree in the Education Division, the following courses constitute a 48-hour concentration in economics: GSB 211a, 311, Economics 210, 307 (or GSD 114d Business Division section), 310, 315, 328 or 330, 440, Accounting 251a, Marketing 230, plus additional economics electives to meet minimum of 48 hours.

The following courses constitute a 36-hour concentration in economics: GSB 211a, 311, Economics 210, 307 (or GSD 114d Business Division section), 315, 440, plus additional economics electives to meet minimum of 36 hours.

SECONDARY CONCENTRATION

Requirements for a secondary concentration in economics are GSB 211a, Economics 210, 307 (or GSD 114d Business Division section), 315, 440, one economics elective, Accounting 251a.

COURSE DESCRIPTIONS

The prefix GSB indicates a General Studies course which involves the discipline of economics and which is listed here for convenience. The description of such a course appears in the General Studies bulletin.

210-5. PRINCIPLES OF ECONOMICS. The basic principles and tools of economic analysis including national income determination, business fluctuations, price-output determination in product markets, distribution of national income, factor pricing, and other economic problems. Prerequisite: GSB 211a.

GSB 211a-3. POLITICAL ECONOMY I.

301-1 to 6. ECONOMIC READINGS. Reading in books and periodicals in a defined field, under direction of one or more staff members. Periodic written and oral reports. Prerequisite: consent of division head.

307-4. ECONOMIC AND BUSINESS STATISTICS I. Prerequisite: 210; recommended: GSD 114b.

310-4. LABOR PROBLEMS. Prerequisite: 210.

GSB 311-3. ECONOMIC DEVELOPMENT OF THE UNITED STATES.

315-4. MONEY AND BANKING I. Prerequisite: 210.

317-4. ECONOMIC HISTORY OF THE UNITED STATES.

328-4. INTERNATIONAL ECONOMICS I. Prerequisite: 210.

330-4. PUBLIC FINANCE I: NATIONAL. Prerequisite: 210.

408-4. ECONOMIC AND BUSINESS STATISTICS II. 3 hours lecture; 2 hours laboratory. Prerequisite: 307 (or GSD 114d Business Division section) or consent of instructor.

411-4. COLLECTIVE BARGAINING AND DISPUTE SETTLEMENT. Nature, issues, procedures, economic effects. Analysis of actual collective bargaining situations. Prerequisite: 310 or consent of instructor.

416-4. MONEY AND BANKING II. Emphasis upon the Federal Reserve and other banking systems. Prerequisite: 315 or consent of instructor.

- 418-4. **ECONOMIC HISTORY OF EUROPE.** A survey of the economic growth of Europe with emphasis upon the development of European agriculture, industry, finance, and international trade since 1750. Prerequisite: 210 or consent of instructor.
- 431-3. **PUBLIC FINANCE II: STATE AND LOCAL.** Prerequisite: 330 or consent of instructor.
- 432-3. **FISCAL POLICY OF THE UNITED STATES.** Countercyclical, secular, and emergency use of government expenditures, debt, taxes. Prerequisite: 210 or consent of instructor.
- 436-3. **GOVERNMENT AND LABOR.** A study of labor relations and legislation considering both constitutional and economic aspects. Prerequisite: 210; Government 210 or General Studies equivalent or consent of instructor.
- 440-4. **INTERMEDIATE MICRO THEORY.** A more intensive treatment of price and income theory. Prerequisite: 210 or consent of instructor.
- 441-4. **INTERMEDIATE MACRO THEORY.** Basic analytical concepts of the modern theory of aggregative income theory. Prerequisite: 210 or consent of instructor.
- 450-3. **HISTORY OF ECONOMIC THOUGHT.** Great economists and the development of economic theory. Prerequisite: 210 or consent of instructor.
- 470-3. **BUSINESS CYCLES.** Major business fluctuations in the United States—prices, employment, production, credit, inflation and deflation, and government action during the cycles. Prerequisite: 315 or consent of instructor.
- 481-3. **COMPARATIVE ECONOMIC SYSTEMS.** Capitalism, socialism, fascism, and other forms of the economy. Prerequisite: 210 or consent of instructor.
- 490-4. **WORKSHOP IN ECONOMIC EDUCATION.** (Same as Secondary Education 490.) Designed to assist elementary and secondary school teachers in promoting economic understanding through the translation of economic principles and problems into classroom teaching materials.

MANAGEMENT

Courses are offered in these areas of management: general business, finance, and personnel management. Students who do not wish to specialize will select the first area. The latter two areas are more restrictive in their requirements. The objective is to provide a broad, general, liberal educational experience rather than a narrow professional training.

SUGGESTED CURRICULUM

BACHELOR OF SCIENCE DEGREE

<i>General Studies Requirements</i> (See page 5.).....	87
<i>Business Division Requirements</i> (See page 9.)	39-42
<i>Management Concentration Requirements</i>	45-47

Economics 310	4
Management 170, 271, 361, 372 or 373, 385	19
Management: One of the specializations below:	22-24
GENERAL: 327, 380, 421, 473, 479-4, Marketing 334 or 341 or 438	24
FINANCIAL: 323, 327, 328, 421, 475, Marketing 334 or 341 or 438	23
PERSONNEL: 380, 480, 481, 485, 382-3 or Economics 411-4, GSB 201c	22-23
<i>Electives</i>	21-16
<i>Total</i>	192

SECONDARY CONCENTRATION

Requirements for a 24-hour concentration in management with a specialization in finance include 170, 320, 323, 327, 340; Accounting 251a.

Requirements for a 24-hour concentration in management with a specialization in general business include 170, 320, 340, 371; Accounting 251a; Marketing 230.

COURSE DESCRIPTIONS

- 170-4. INTRODUCTION TO BUSINESS ADMINISTRATION. A survey of business, intended to give to the student a general knowledge of the modern business world, a better basis for choosing his specialty, and certain information not covered in the various specialized courses offered.
- 240-4. INTRODUCTION TO DATA PROCESSING. Development of the concept of an organization; problems of co-ordination and control; feedback loop; management by exception. Study covers machine functions, procedure planning, flow charting and integrated data processing; also, the stored program concept, input-output methods and problems involved with electronic data processing equipment. Prerequisite: sophomore standing.
- 241-4. PRINCIPLES OF PROGRAMMING FOR ELECTRONIC DATA PROCESSING. Comparative study of stored program concepts, binary coding principles, study of machine language and symbolic coding; definition of problem and preparation of flow charts and block diagrams; symbolic programming system; timing sequences for input-output functions. Laboratory work involves practice problems requiring the preparation of flow charts, block diagrams, coding and preparation of source, program, and test running on IBM 1401 equipment. Three hours lecture; two hours laboratory. Prerequisite: 240-4, or equivalent, or consent of instructor.
- 271-4. BUSINESS WRITING. Principles and practice in writing typical kinds of business correspondence and reports. Prerequisite: GSD 152.
- 301-1 to 6. MANAGEMENT READINGS. Reading in books and periodicals in

a defined field, under direction of one or more staff members. Periodic written and oral reports. Prerequisite: consent of division head.

- 320-5. CORPORATION FINANCE. Financial structure in industry, sources of capital, regulation of securities, stock exchanges, and the Security and Exchange Commission; dividend and other financial policies. Interpreting corporation reports and evaluating securities through the analysis of financial statements. Prerequisites: Accounting 251c, Economics 210.
- 323-4. INVESTMENTS. Survey of the problems and procedures of investment management; types of investment risks; security analysis; investment problems of the individual as well as the corporation. Prerequisite: 320.
- 327-4. GENERAL INSURANCE. Underlying principles and functions of insurance in the economic life of the individual and of business. Prerequisites: Accounting 251c, Economics 210.
- 328-3. REAL ESTATE. Purchasing, financing, owning, developing, improving, assessing, maintaining, zoning, subdividing, conveying, managing, operating in a real estate business; the influence of recent court decisions on real estate.
- 340-4. BUSINESS ORGANIZATION AND MANAGEMENT. Theory and practice. Prerequisite: junior standing or consent of instructor.
- 361-3. BUSINESS REPORT WRITING. Discussion, illustration, and practical application of report writing techniques, including study of uses, forms, and structures of different types of reports.
- 371-4. BUSINESS LAW I. Introduction to law, contract law, and agency law.
- 372-4. BUSINESS LAW II. Real property law, personal property law, partnership law, and corporation law.
- 373-4. BUSINESS LAW III. Negotiable instrument law, sales law, suretyship law, and insurance law.
- 380-4. PRODUCTION MANAGEMENT. Plant location, design, and construction; internal organization for operations, production control, stores control, routing of materials, job analysis, and time study; wage systems, subdivision of executive responsibilities and duties; methods of coordination and planning. Prerequisite: Economics 210.
- 382-3. TIME AND MOTION STUDY. Principles and methods for simplifying work and establishing sound time-allowances for performance.
- 385-4. PERSONNEL MANAGEMENT. Relation of the human element to production; the art of securing understanding and co-operation; employee organizations and outside activities; work of the personnel department; wage standards and working conditions. Prerequisite: Economics 210.
- 421-4. MANAGEMENT OF BUSINESS FINANCE. The principal problems of managing the financial operations of an enterprise with emphasis upon analysis and solutions of problems pertaining to policy decisions. The scope includes both short-term working capital and long-term financing. Prerequisite: 320.
- 442-4. MANAGEMENT OF DATA PROCESSING SYSTEMS. A systematic examination of the principles and practices of data processing management. Includes installation layout, employment requirements, machine utilization, scheduling, work loads, interdepartmental relations, legal considerations, etc. Prerequisite: 241.
- 472-4. SMALL BUSINESS. The position of small business in our national economy, including the organization, financing, location, personnel poli-

- cies, merchandising practices, records, government regulation, and taxes.
- 473-4. BUSINESS ENTERPRISE AND PUBLIC POLICY. Some of the major problems of social control of business arising out of the operation of business in modern society; covering types of control, necessity and effects of control. Prerequisite: senior standing.
- 475-4. BUDGETING AND SYSTEMS. Budgeting and systems as aids in coordinating and directing business operation. Prerequisites: 320, Accounting 251c.
- 479-2 to 8. PROBLEMS IN BUSINESS AND ECONOMICS. Application of economic theory to practical business problems. Open to those concentrating in business administration or economics with senior standing.
- 480-4. SEMINAR IN LABOR LAW. An analysis of the constitutional aspects and recent cases that have arisen interpreting the Taft-Hartley Act, Fair Labor Standards Act, Fair Employment Practice Laws, and "right-to-work" laws. Prerequisite: two quarters of business law or Economics 310.
- 481-4. ADMINISTRATIVE MANAGEMENT. An intensive study of the principles of management and their application to the current industrial setting. Lecture and case methods are used. Prerequisite: 340.
- 483-4. ADVANCED PRODUCTION MANAGEMENT. Internal problems of managerial control of production including recent developments in theory and techniques; case material utilized for the development of analytical ability. Prerequisite: 380.
- 485-4. PROBLEMS IN PERSONNEL MANAGEMENT. Analysis of problems in personnel administration arising from current developments in organization and techniques; case problems and special reports. Prerequisite: 385.
- 595-4. Seminar in Personnel Management.

MARKETING

Marketing, which includes all activities concerned with determining and satisfying consumer desires, is rapidly becoming a major function in the business process. Marketing knowledge and techniques provide the tools for developing and distributing goods and services in the dynamic economy of today and the future.

The area of marketing offers a variety of courses that prepare the future marketer for his role in American business. Undergraduate courses are offered in areas such as sales, advertising, marketing management, transportation, retailing, wholesaling, and market research. Additional senior-level or graduate courses are offered to prepare the student for more specialized positions in marketing management.

SUGGESTED CURRICULUM

BACHELOR OF SCIENCE DEGREE

General Studies Requirements (See page 5.).....

<i>Business Division Requirements</i> (See page 9.)	39-42
<i>Marketing Concentration Requirements</i>	44-47
Management 170, 361, 373	11
Marketing 331, 335, 338, 339, 349 (any three)	11-12
Marketing 333, 334, 336, 337, 341 (any three)	11-12
Marketing 438-4 or 463-3, 444, 490	11-12
<i>Electives</i>	22-16
<i>Total</i>	192

SECONDARY CONCENTRATION

Requirements for a 24-hour concentration in marketing include 230, 444, 490, and one of the four following options:

General Marketing: 338, 341, Accounting 251a.

Sales and Advertising: 333, 337, 438 or 463.

Retailing: 331, 334, 338.

Industrial Marketing: 336, 339, 341.

COURSE DESCRIPTIONS

- 230-5. PRINCIPLES OF MARKETING. A general survey course to acquaint the student with the entire field of marketing. Consideration is given to the underlying economic principles; historical development of distributive systems, channels, agents, institutions, functions, policies, and principles. Prerequisite: Economics 210.
- 301-1 to 6. MARKETING READINGS. Readings in books and periodicals in a defined field, under the direction of one or more staff members. Periodic written and oral reports. Prerequisite: consent of division head.
- 331-4. RETAILING. Principles underlying the evolution, organization, and operation of retailing, including techniques used and opportunities offered in this field.
- 332-4. STORE MANAGEMENT. Store management; organization, location; layout. Procedures in receiving goods, handling sales; packing; wrapping; customer complaints; telephone orders, etc. Prerequisites: 331 and Accounting 250 or 251c.
- 333-4. PRINCIPLES OF ADVERTISING. Advertising fundamentals in relation to modern business activities; fields of advertising; advertising media, campaigns, and systems. Prerequisite: 230.
- 334-4. CREDITS AND COLLECTIONS. Organization and operation of the credit department, including the sources and analysis of credit information, collection methods, and correspondence. Retail credit management emphasized. Prerequisite: 230.
- 335-4. INTERNATIONAL MARKETING. Factors affecting export and import marketing. Emphasis on international regulating bodies, trade agreements, channels of distribution, financing and governmental roles. Prerequisite: 230-5.
- 336-3. PURCHASING. Dealer-supplier relationship, in manufacturing, whole-

- saling, and retailing. Purchasing for resale and for consumption. Influence in sales promotion materials. Buying from single and multiple suppliers. Prerequisite: 230.
- 337-4. **PRINCIPLES OF SALESMANSHIP.** History, scope, and importance of selling in modern business; the sales department; the salesman's part in the selling process. Prerequisite: 230.
- 338-4. **CONSUMER BEHAVIOR.** An analysis and interpretation of the consumer's buying habits, motives, and the appeals marketing utilizes. The consumer's statistical, psychological, and socio-cultural nature will be stressed. Prerequisite: 230-5.
- 339-4. **INDUSTRIAL MARKETING.** Economic and managerial factors affecting policy in the marketing of industrial goods. Channels of distribution, buying, advertising, pricing, research, and selling of industrial goods. Prerequisite: 230-5.
- 341-4. **TRANSPORTATION.** Evolution of American transportation systems, and of the current problems of transportation facilities in connection with governmental control and regulation. Prerequisite: 230.
- 349-3. **WHOLESALE.** Evolution, economic status, and management of non-retail marketing. Position of wholesaling in distribution. Kinds of wholesaling; types of middlemen; internal organization and operation of wholesalers; trading areas. Analyze relationship between marketing policies of wholesaler and manufacturer and changing patterns of wholesale distribution. Prerequisite: 230.
- 384-4. **ADVERTISING MEDIA ANALYSIS.** A study of the businessman's problems of selecting appropriate advertising media for the particular advertising mix that affords him the best strategy. Prerequisite: 333.
- 438-4. **SALES MANAGEMENT.** Developing and training a sales force. The different types of sales forces. Managing sales functions: determining salesman's territories, quotas, compensation. Budget preparation. Developing and implementing the merchandise plan. Prerequisites: 230, and 337 or consent of the instructor.
- 444-4. **MARKETING MANAGEMENT.** Marketing management's place in theory and as a part of the marketing process. Emphasis given to planning the marketing effort, management of the marketing organization, and control of marketing operations. Prerequisite: 230-5, senior standing.
- 451-4. **TRAFFIC MANAGEMENT.** Primary industrial traffic management functions, including determination of rates, classification, routing, and proper documentation. Consideration given to loss and damage claims, terminal charges, demurrage, reconsignment and conversion, transit privileges, warehousing, and packing. Emphasis upon co-operative aspects of traffic management requiring transportation. Prerequisite: 341.
- 463-3. **ADVERTISING MANAGEMENT.** The effective way of advertising by business management. An understanding of what advertising can be expected to accomplish under different sets of marketing factors and products. The selection of advantageous advertising programs under different marketing mixes. Prerequisite: 333.
- 490-4. **MARKETING RESEARCH AND ANALYSIS.** A non-mathematical development of the basic procedures, methods, and theory underlying analysis of primary and secondary market data. Prerequisite: 230, and one quarter of basic statistics or its equivalent.
- 595-3. Seminar in Marketing.

Education Division

Education Administration; Elementary Education; Guidance; Health Education; Instructional Materials; Physical Education for Men; Physical Education for Women; Psychology; Secondary Education; Special Education; Student Teaching

THE EDUCATION DIVISION prepares teachers for all grades from kindergarten through high school and provides basic training in the fields of psychology and guidance. The division is committed to giving professional training to teachers, supervisors, administrators, and specialists. For most undergraduate students preparing to teach in high school, the subject-matter concentration will be taken in other divisions, and the provisional preparation for teaching, including student teaching, will be taken in the Education Division.

FACULTY OF ADMINISTRATION AND CURRICULUM

Professors H. Bruce Brubaker (Ed.D., Indiana), Harry H. Smith (Ed.D., Washington University), Herbert F. A. Smith (Ph.D., Michigan), Clarence W. Stephens (Ed.D., Indiana), Leonard B. Wheat (Ph.D., Columbia).

Associate Professors David E. Bear (Ed.D., Washington University; *chairman*), Gordon C. Bliss (Ed.D., Nebraska), Merle R. Bolton (Ed.D., Kansas), Regan Carpenter (Ed.D., Colorado), John H. Schnabel (Ed.D., Indiana), Myllan Smyers (Ed.D., Indiana), George T. Wilkins (M.A., Illinois).

Assistant Professors Warren L. Brown (Ed.D., Missouri), Olin L. Hileman (Ed.D., George Peabody), Eldon H. Madison (Ph.D., Minnesota), A. Keith Moyer (Ph.D., Ohio State), Ralph D. Schmid (Ed.D., Washington University), Roy S. Steinbrook (Ed.D., Indiana), Robert H. Steinkellner (Ed.D., Missouri).

Instructors Betty Jo Kelley (M.A., Southern Illinois), David R. Van Horn (M.S., Oklahoma State).

Visiting Professor Charles A. Lee (Ed.D., Columbia).

Lecturers A. Dudley Curry (M.Ed., Missouri), Loren B. Jung (M.S., Southern Illinois), Elmer H. Wagner (Ed.Sp., Indiana).

Term Instructors and Lecturer Paul E. Kunkel.

FACULTY OF GUIDANCE

Professors Alfred E. Kuenzli (Ed.D., Indiana), Cameron W. Meredith (Ph.D., Michigan), Manford A. Sonstegard (Ph.D., Northwestern), Daniel W. Soper (Ph.D., Syracuse), Mark M. Tucker (Ed.D., California, Los Angeles).

Associate Professors Howard V. Davis (Ed.D., Washington University), Orval G. Johnson (Ph.D., Wisconsin), Charles V. Matthews (M.A., Kansas City), Howard D. Southwood (Ed.D., Florida; *chairman*), Lawrence E. Taliana (Ph.D., Purdue), Raymond E. Troyer (Ph.D., Chicago).

Assistant Professors Erwin H. Brinkmann (Ph.D., Michigan), Mary Jane Loper (M.S., Southern Mississippi), Earl J. Moore (Ed.D., Nebraska), Virginia R. Moore (Ed.D., Illinois), J. Robert Russo (Ed.D., Pennsylvania State), Richard P. Walsh (Ph.D., Maryland).

Instructors Thomas D. Evans (M.S., Southern Illinois), Robert M. Reed (M.A., Iowa). *Visiting Professor* John G. Rockwell (Ph.D., Chicago).

Term Instructors and Lecturers Philip L. Eckert, Robert O. Engebretson, Frank L. Eversull, Osborne B. Parker, Philip R. Rucinski.

FACULTY OF HEALTH, RECREATION, AND PHYSICAL EDUCATION

Assistant Professors Rosemarie Archangel (M.A., Iowa State), Walter C. Klein (H.S.D., Indiana), Babette Marks (M.Ed., North Carolina) (on leave 1964-65), Richard D. Spear (H.S.D., Indiana; *chairman*).

Instructors Russell J. Hatheway (M.S., Southern Illinois), Larry N. Moehn (M.S., Indiana), Norman E. Showers (M.S., Southern California) (on leave 1964-65).

Term Instructors and Lecturers Sara Carpenter, Judith A. Prewett.

DIVISIONAL REQUIREMENTS

All candidates for the Bachelor of Science in Education degree, except those concentrating in psychology, must take the following courses, which carry 23 hours of credit, and must successfully complete a student teaching assignment of 8-16 hours: Administration 355, Guidance 305, GSB 331, and 12 hours of approved electives.

ADMINISTRATION

This area of study includes introductory courses and basic offerings in administration, supervision, and curriculum as well as in the social and philosophical foundations of education and advanced courses and seminars in these areas. The emphasis is mainly on graduate work.

Persons desirous of pursuing such programs should familiarize themselves with the requirements as set forth in the Graduate School bulletin.

COURSE DESCRIPTIONS

The prefix GSB indicates a General Studies course which involves the discipline of educational administration and which is listed here for convenience. The description of such a course appears in the General Studies bulletin.

GSB 331-3. THE AMERICAN EDUCATIONAL SYSTEM.

355-4. PHILOSOPHY OF EDUCATION. The philosophical principles of education and the educational theories and agencies involved in the work of the schools.

- 420-4. LEGAL BASIS OF AMERICAN EDUCATION. Legal concepts governing education in the United States. Particular emphasis is placed on common-law principles.
- 431-4. HISTORY OF EDUCATION IN THE UNITED STATES. A historical study of the problems of American education which have relevance to contemporary education.
- 432-4. PUBLIC OPINION, PROPAGANDA, AND EDUCATION. Analysis and classification of propaganda. Designed to show how public opinion is formed by a use of current materials from the different channels of communication. Differences between propaganda and indoctrination.
- 456-4. SCHOOL SUPERVISION. The function of the principal or supervisor in the improvement of instruction. Some activities, methods, and devices for improving the effectiveness of teaching.
- 485-4 to 9. WORKSHOP IN EDUCATIONAL UTILIZATION OF COMMUNITY RESOURCES. (Same as Guidance 485.) Opportunity for teachers, supervisors, and administrators to acquire detailed knowledge of community area resources; produce teaching units, assemble files of resource materials. Visits to business and industries; specialists and consultants enrich the program.
- 500-4. Research Methods.
- 501-4. Seminar in Educational Administration.
- 502-4. Seminar in Comparative Education.
- 520-4. Illinois School Law.
- 524-4. School Administration.
- 533-4. School Buildings.
- 534-4. School Finance.
- 554-4. Contrasting Philosophies of Education.
- 556-4. Seminar in Educational Supervision.
- 563-4. Workshop in School Public Relations.
- 565-4. The Junior College.
- 575-2 to 4. Individual Research. (parts a-k)

ELEMENTARY EDUCATION

The Education Division offers undergraduate work leading to the Bachelor of Science in Education degree in elementary education. Completion of the requirements for the degree qualifies one for the State Elementary Certificate on either the early-childhood or the elementary level.

A student in this curriculum must (1) meet all requirements pertaining to prerequisites to student teaching and should study the section in this bulletin which lists such requirements; (2) have at least 24 hours in each of these three fields: language arts, natural science, social science; and (3) satisfy the general requirements of the University and of the Education Division.

Students interested in programs on the master's level should consult the Graduate School bulletin.

*REQUIREMENTS BASED UPON, OR IN ADDITION TO,
STATE MINIMUM REQUIREMENTS*

<i>Language Arts</i>	24 hours
GSC 251-6, GSD 101-6, 103, English 300 or 391, plus hours to equal 24.	
<i>Natural Science</i>	24 hours
GSA 101a,b,c, 201a,b,c (200 substitutes for 201b or 201c) plus 6 hours.	
<i>Social Science</i>	24 hours
GSB 101a,b,c, 201a,b plus 8 or 9 hours from History 201 and Government 210 or the General Studies equivalents.	
<i>Mathematics</i>	9 hours
GSD 112a,b,c and Math 310 or equivalent.	
<i>Fine and Applied Arts</i>	18 hours
GSC 100 or 101, plus electives to equal 18. Students in early-childhood education should take three quarters of Music 010e or pass a piano proficiency test.	
<i>Health Education and Physical Education</i>	10 hours
GSE 201, plus 3 hours in physical education activity; plus Physical Education 350.	
<i>General Psychology</i>	3 hours
GSB 201c	
<i>Education</i>	48 hours
GSB 331, Elementary Education 314, 337, 351-8, Educational Administration 355, Guidance 305, Instructional Materials 417, plus approved electives to equal 48 hours.	
Students in early-childhood education should take Elementary Education 316, 350-12, 413 in place of 314, 351.	

COURSE DESCRIPTIONS

- 203-3. UNDERSTANDING THE ELEMENTARY SCHOOL CHILD. Concepts needed to understand the child in the elementary school situation. Two hours of observation. Prerequisite: GSB 253.
- 314-4. ELEMENTARY SCHOOL METHODS. The fundamental principles of education, the interpretation of current educational theory and practice, the processes of teaching and learning involved in elementary education. 314 cannot be substituted for Secondary Education 315, nor 315 for 314. Prerequisite: Guidance 305.
- 316-4. KINDERGARTEN-PRIMARY METHODS AND CURRICULUM. Philosophy and principles underlying the teaching of four-to-eight-year-olds. Emphasis upon organization, equipment, materials and methods

- for promoting growth of young children. Prerequisite: Guidance 305.
- 337-4. READING IN THE ELEMENTARY SCHOOLS. The principles of reading, factors that condition reading, together with grade placement of aims and materials. Prerequisite: 314 or Secondary Education 315; Guidance 305.
- 350D-8 to 12. KINDERGARTEN-PRIMARY STUDENT TEACHING.
- 350E-4 to 8. ADVANCED KINDERGARTEN-PRIMARY STUDENT TEACHING. Prerequisite: 350D.
- 351D-8 to 16. ELEMENTARY STUDENT TEACHING.
- 351E-4 to 8. ADVANCED ELEMENTARY STUDENT TEACHING. Prerequisite: 351D.
- 413-4. CHILDREN'S LITERATURE. Emphasizes types of literature, analysis of literary qualities, selection and presentation of literature for children. Prerequisite: Guidance 305.
- 415-2 to 4. IMPROVEMENT OF INSTRUCTION IN ARITHMETIC IN THE ELEMENTARY SCHOOL. Items to be taught, the grade placement of content, newer instructional practices and materials in instruction, and means of evaluating achievement.
- 433-4. WORKSHOP IN ELEMENTARY EDUCATION. Meets needs of in-service teachers in such areas as curriculum adjustment, remedial teaching, child development.
- 435-4 to 8. WORKSHOP IN ELEMENTARY SCHOOL FOREIGN LANGUAGE INSTRUCTION. (Same as Foreign Languages 435.) Designed to assist elementary school teachers in integrating foreign languages into their teaching program as well as to encourage high school teachers to introduce or supervise foreign languages or education. Prerequisite: basic language credit.
- 437-4. PROBLEMS IN READING. Practices and trends in the teaching of reading; materials of instruction in reading, particularly remedial materials; techniques and materials for prevention of reading difficulties; diagnosis and remediation of reading difficulties. Prerequisite: 337.
- 442-4. MATERIALS AND METHODS IN ELEMENTARY SCHOOL SCIENCE. Study of the content and the methods of elementary school science.
- 465-4. SEMINAR IN PSYCHOLOGY OF ELEMENTARY SCHOOL SUBJECTS. Psychological principles of learning applied to the mastery of materials used in elementary school subjects. Prerequisites: 314, Guidance 305.
- 505-4. Improvement of Reading Instruction.
- 507-2 to 4. Readings in Reading.
- 514-4. Organization and Administration of Reading Programs.
- 515-4. Special Problems in the Teaching of Arithmetic in the Elementary School.
- 521-3 to 4. Diagnosis and Correction of Reading Disabilities I.
- 541-4. Selected Teaching and Curriculum Problems in Elementary School Science.
- 542-4. Language Arts in the Elementary School.
- 543-4. Teaching the Social Studies in the Elementary School.
- 557-4. The Elementary Principalship.
- 559-4. Workshop in Instructional Leadership in Elementary Education.

- 561-4. The Elementary School Curriculum.
- 563-4. Organization of the Elementary School.
- 575-2 to 4. Individual Research. (parts a-k)

GUIDANCE

No undergraduate concentration is offered in guidance. One who plans to take a master's degree in guidance should consult the Graduate School bulletin and include Guidance 305, 412, and 422 in his undergraduate work. Guidance 305 is an Education Division requirement for the Bachelor of Science in Education degree.

COURSE DESCRIPTIONS

- 305-4. **EDUCATIONAL PSYCHOLOGY.** Designed to help the prospective teacher understand human development, learning and adjustment, with special emphasis on individual differences, motivation, evaluation, and discipline in classroom situations. Prerequisite: Psychology 201 or GSB 201c.
- 412-4. **MENTAL HYGIENE.** An integration of knowledge and principles concerning factors and conditions in the personal life that tend to facilitate or deter mental health. Prerequisite: 305.
- 420-4. **EDUCATIONAL STATISTICS.** The statistics needed by teachers for classroom use, the reading of educational literature, and informal educational research. Includes methods of describing group performance, measures of reliability, and tests of significance. Prerequisite: 305.
- 422-4. **EDUCATIONAL MEASUREMENTS I.** Study of the philosophy and techniques of measurement. Special attention to the construction and use of teacher-made tests. Prerequisite: 305.
- 426-4. **INDIVIDUAL INVENTORY.** Principles and procedures for studying individual pupils and their problems, for guidance purposes. Emphasis on interview, observation, ratings, case study, and cumulative records. Prerequisite: 422.
- 485-4 to 9. **WORKSHOP IN EDUCATIONAL UTILIZATION OF COMMUNITY RESOURCES.** Opportunity for teachers, supervisors, and administrators to acquire detailed knowledge of community area resources; produce teaching units, assemble files of resource materials. Visits to businesses and industries; specialists and consultants enrich the program.
- 501-2 to 6. Special Research Problems.
- 511-4. Educational Implications of Learning Theories.
- 515-4. Psychological Aspects of Education.
- 520-4. Advanced Educational Statistics.
- 522-4. Educational Measurements II.
- 525-4. School Behavior Problems and their Prevention.
- 526-4. Techniques in Individual Guidance.
- 528-4. Advanced Guidance of the Individual.
- 535-4. Introduction to Individual Measurement.

- 536a-4. Appraisal of Intelligence.
- 536b-4. Appraisal of Intelligence.
- 537-4. Counseling Theory and Practice I.
- 538-4. Counseling Theory and Practice II.
- 541-4. Occupational Information and Guidance.
- 542-4. Basic Principles of Guidance.
- 543-4. Guidance through Groups.
- 545a-4. Seminar in Guidance.
- 545f-4. Seminar in Guidance: Pupil Adjustment.
- 545j-4. Seminar in Guidance: Organization and Administration.
- 562a-4. Child Development in Education.
- 562b-4. Adolescent Development in Education.
- 576-4. Practicum in School Personnel Work.

HEALTH EDUCATION

A second teaching field in health education is 27 hours, including 205, 300, 313S, 334S, 350 or 460, 471, Guidance 412 or Psychology 301. Additional courses may be taken in safety education, school health, and community health.

COURSE DESCRIPTIONS

The prefix GSE indicates a General Studies course which involves the discipline of health education and which is listed here for convenience. The description of such a course appears in the General Studies bulletin.

GSE 201-3. **HEALTHFUL LIVING.**

205-4. **INTRODUCTION TO HEALTH EDUCATION.** Introduction to philosophy and history of health education as well as functions of the school health department and voluntary agencies in the health education program. Prerequisite for all 300 and above.

300-3. **COMMUNICABLE DISEASE.** A study of the communicable diseases with emphasis on control and principles of prevention, and application of these principles to the individual school and community.

302S-4. **DRIVER EDUCATION AND TRAINING.** To prepare the college student for teaching driver education and training in the secondary school. Prerequisite: a valid driver's license.

313S-4. **INTRODUCTION TO SAFETY EDUCATION.** Prepares for safety education in the public schools. Concerns safety as a social problem, development of safety skills, accident causes, teacher liability, research in the field.

334S-3. **FIRST AID.** Red Cross first aid course with lectures, demonstrations, and practical applications. Standard and advanced first aid cards given.

350-4. **METHODS AND MATERIALS IN ELEMENTARY HEALTH EDUCATION.** Designed to show the prospective teacher fundamental processes, techniques, and material aids involved in elementary school health teaching.

355-4. **INTRODUCTION TO PUBLIC HEALTH.** Philosophy, organization,

- administration, and functions of federal, state, and local, official and voluntary public health agencies. Periodic field trips involved.
- 400-4. HEALTH APPRAISAL OF CHILDREN. The role of the teacher in the health appraisal of the school child, including school health examinations, use of health records, and emphasis on training for recognition of health deviations from normal common among school children.
- 415S-4. WORKSHOP IN DRIVER EDUCATION AND TRAFFIC SAFETY. For pre-service and in-service teachers. Individual and group problems are treated. Lectures by safety authorities, demonstrations, field trips, audio-visual materials, and individually supervised research in special problem areas. Prerequisite: 302S or equivalent.
- 443S-4. METHODS AND MATERIALS IN DRIVER EDUCATION. An advanced course in driver education which includes a study of existing courses of study, review of research, course-of-study planning, visitation and reporting, panel discussions, accident statistics, conducting the secondary school program, testing, and demonstration in the car. Prerequisite: 302S.
- 460-4. METHODS AND MATERIALS IN SECONDARY SCHOOL HEALTH EDUCATION. Shows the prospective teacher the fundamental processes involved in the teaching of health education at the secondary level.
- 461-4. WORKSHOP IN HEALTH EDUCATION. Public health aspects of school and community living. Individual problems of classroom health treated as units in such fields as speech defects and their detection and correction, communicable disease control; nutrition, social and mental hygiene. Lectures, demonstrations, films, field trips, and individually supervised research in special problems. Prerequisite: GSE 201.
- 471-4. ORGANIZATION AND ADMINISTRATION OF SCHOOL HEALTH. Appraisal of over-all school organization for health education, including health service and personnel, health and safety instruction, school environment, school health examination, local, state, and federal resources for health, health councils, and interdepartmental relationships.
- 480S-4. WORKSHOP IN SAFETY EDUCATION. Safety education as it applies to the public school and the community. Individual problems, lectures, demonstrations, films, field trips, and individual group study in special areas of interest. Prerequisite: 313S or consent of instructor.

INSTRUCTIONAL MATERIALS

The Education Division offers a second teaching field in library science to qualify persons trained primarily as teachers for part-time professional service in a school library.

The required courses are 306, 308, 403, 405, 406, and 417 or 420. Total: 24 hours.

COURSE DESCRIPTIONS

306-4. SCHOOL LIBRARIES AS INFORMATION CENTERS. Evaluation, se-

- lection, and use of reference sources for elementary and secondary school libraries. Principles and methods of reference service.
- 308-4. SCHOOL LIBRARY TECHNICAL PROCESSES. Organization of library materials for effective service to readers. Acquisition, classification, cataloguing, preparation, preservation, and circulation of materials. Laboratory assignments.
- 400-2. LIBRARY RESEARCH METHODS. Introduction to the use of library materials in graduate research. Includes a survey of scholarly publishing and the use of reference work in various subjects.
- 403-4. SCHOOL LIBRARY FUNCTIONS AND MANAGEMENT. Effective library services in relation to the educational objectives of elementary and secondary school programs; organization, supervision, finance, housing, equipment, standards, and evaluation.
- 405-4. LIBRARY MATERIALS FOR CHILDREN. Study of the aids, methods, and criteria for the selection and use of books and other instructional materials for children in the elementary schools. Open to juniors with consent of instructor.
- 406-4. LIBRARY MATERIALS FOR ADOLESCENTS. A study of the aids, methods, and criteria for the selection and use of books and other instructional materials for students in the high school. Open to juniors with consent of instructor.
- 417-4. AUDIO-VISUAL METHODS IN EDUCATION. Selection and utilization of audio-visual methods in the teaching situation, elementary through adult levels. Motion pictures, slides, filmstrips, and recordings particularly stressed. Prerequisite: Guidance 305.
- 420-4. SCHOOL LIBRARY ACTIVITIES AND PRACTICE. Supervised practice and observation integrated with instruction in the typical activities of school librarianship; storytelling, publicity, developing units of library instruction, and work with students. Prerequisites: 306, 308, 403, and 405 or 406.
- 445-4. PREPARATION OF TEACHER-MADE AUDIO-VISUAL MATERIALS. Laboratory practice in the preparation of bulletin boards, opaque materials, models, lantern slides, recordings, feltboards, and other graphic materials. Prerequisite: 417 or consent of instructor.
- 546-4. Integration of Audio-Visual Materials in the Classroom.

PHYSICAL EDUCATION

A Bachelor of Science in Education degree with a teaching field in physical education is offered. The curriculum includes a total of 48 hours of theory and skill courses. This entire unit is intended to qualify young people for positions as teachers, coaches, or specialists in public and private elementary or secondary schools, colleges, and universities as well as other social agencies which promote physical activity programs. The curriculum is designed to meet the requirements of state departments of education and other agencies which have adopted professional standards.

Complete and integrated experience in teaching physical education

and assisting in coaching under qualified supervisors is provided in the co-operating schools of the area. Other valuable experiences are provided to supplement the regular course work. Some of these are gained through membership in the Physical Education Club; membership in professional associations; participation on intramural teams; assisting in service class testing; attendance at clinics, workshops, conventions, and conferences; reading of professional journals; and working with recreational and school groups in teaching techniques of various activities.

SUGGESTED CURRICULA

BACHELOR OF SCIENCE IN EDUCATION DEGREE	FOR MEN
<i>General Studies Requirements</i> (See page 5.).....	87
<i>Professional Education Requirements</i> (See page 40.)	32
<i>Physical Education First Teaching Field Requirements</i>	48
Physical Education, theory: 303, 305, 341, 350, 354, 370, 381, and 420	29
Physical Education for Men, skill: 100a-j, and two hours from any of 100k-o	12
Health Education 334S	3
Electives	4
<i>Second Teaching Field</i>	27
<i>Total</i>	194

SECOND TEACHING FIELD, 27 HOURS	FOR MEN
Theory courses: 341, 350, 354, 370, 381, and HEd 334S.	
Skill courses: 100a, b, c, d, e, and f.	

BACHELOR OF SCIENCE IN EDUCATION DEGREE	FOR WOMEN
<i>General Studies Requirements</i> (See page 5.).....	87
<i>Professional Education Requirements</i> (See page 40.)	32
<i>Physical Education First Teaching Field Requirements</i>	48
Physical Education, theory: 303, 305, 321-6, 341, 350, 354, 323-1, 370	29
Physical Education for Women, skill: 100a-m and 3 hours from any 100n-y	16
Health Education 334S	3
<i>Second Teaching Field</i>	27
<i>Total</i>	194

SECOND TEACHING FIELD, 30 HOURS

FOR WOMEN

Theory: 341; 350; 354; 321a,b; 323-1; and H. Ed. 334S.

Skill courses: 100a, b, d, e, g, h, i, j, k, l, t, u.

COURSE DESCRIPTIONS

- 303-5. KINESIOLOGY. Study of joint and muscle action as a basis for the mechanical analysis of human physical movement as executed in daily life and as executed in physical education activities and sports. Prerequisite: Psychology 300.
- 305-3. PHYSICAL EDUCATION FOR THE ATYPICAL STUDENT. Deals with the recognition of physical deviations and with the provisions of special or modified physical education or recreational activities for such students. Prerequisite: 303.
- 341-3. PRINCIPLES OF PHYSICAL EDUCATION. The scientific foundations of physical education based on accepted principles of psychology, physiology, sociology, biology, educational method, philosophy, anatomy, kinesiology and related areas.
- 348-3. CAMP AND COMMUNITY LEADERSHIP. Fundamentals of scouting, camping, and counseling. A weekend camping trip required.
- 349-2. CAMPING EDUCATION. Designed to give the potential camp counselor an understanding of the camp; its physical set-up, equipment and necessary routines; its personnel, purpose, traditions, and possibilities.
- 350-4. METHODS AND MATERIALS FOR TEACHING PHYSICAL EDUCATION ACTIVITIES IN THE ELEMENTARY SCHOOL. The organization and conduct of the program, program planning, evaluation of materials, observation and practice in creative rhythms, singing games, folk dancing, and games of low organization. (Required for elementary education).
- 354-3. ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION AND ATHLETICS. The organization and conduct of the total program of physical education including interscholastic athletics based upon accepted educational policies and practices. Emphasis on problems of administration.
- 355-2. TECHNIQUES OF TEACHING SWIMMING. Methods of teaching, analysis of strokes, and the devices for teaching swimming and life saving. Prerequisite: current Senior Lifesaving.
- 365-2. ORGANIZATION AND ADMINISTRATION OF COMMUNITY RECREATION. The social, economic, and governmental structure of the community; establishing the community recreation program; problems of facilities, equipment, finance, promotion; selecting and supervising personnel; integration with associated programs.
- 370-4. TESTS AND MEASUREMENTS IN PHYSICAL EDUCATION. Measurement as an aid in determining student needs, curriculum construction, teaching effectiveness, and the attainment of educational objectives. Includes the selection, administration, and interpretation of tests.
- 376-3. EMERGENCY CARE AND PREVENTION OF ATHLETIC INJURIES. The theoretical and practical methods of preventing and treat-

ing athletic injuries; techniques of taping and bandaging; emergency first aid; massage; use of physical therapy modalities.

- 402-3. ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL ACTIVITIES. Planning extramural programs of sports; planning and coordinating extramural activities commonly associated with physical education.
- 420-3. PHYSIOLOGICAL EFFECTS OF MOTOR ACTIVITY. The general physiological effect of motor activity upon the structure and function of body organs; specific effect of exercise on the muscular system. Prerequisite: Physiology 300.

PHYSICAL EDUCATION FOR MEN

- 100-20 (1 per course). PHYSICAL EDUCATION SKILL COURSES FOR MEN. (a) Basic Rhythms I, (b) Folk Dance, (c) Beginning Stunts & Tumbling, (d) Beginning Gymnastics, (e) Personal Fitness, (f) Swimming, (g) Wrestling, (h) Soccer, (i) Beginning Tennis, (j) Indoor Net Games, (Badminton & Volleyball), (k) Baseball, (l) Basketball, (m) Football, (n) Beginning Track and Field, (o) Golf.
- 345-1 to 3. OFFICIATING TECHNIQUES. Interpretation of rules; code of ethics for officials and players; techniques and problems of officiating. Officiating practice required. (a) Fall: football, cross country, and soccer. (b) Winter: basketball, wrestling, and swimming. (c) Spring: baseball, track and field, tennis and golf.
- 381-4. THEORY OF COACHING. Principles underlying participation in competitive interscholastic athletics; theory of coaching sports; technique; strategy; organization and administration of programs.
- 501-4. Curriculum in Physical Education.
- 509-4. Supervision of Health and Physical Education.

PHYSICAL EDUCATION FOR WOMEN

- 025-0. ORIENTATION. Acquaints students with physical education as a profession.
- 100-25 (1 per course). PHYSICAL EDUCATION SKILL COURSES FOR WOMEN. (a) Basic Rhythms, (b) Folk Dance, (c) Field Hockey, (d) Soccer & Speedball, (e) Swimming, (f) Tennis, (g) Basketball, (h) Intermediate Modern Dance, (i) Softball, (j) Volleyball, (k) Stunts & Tumbling, (l) Physical Conditioning, (m) Track & Field, (n) Badminton, (o) Archery, (p) Golf, (q) Life Saving, (r) Bowling, (s) Apparatus Activities, (t) Social Dance, (u) Square Dance, (v) Recreational Sports, (w) Fencing, (x) Diving, (y) Horseback riding.
- 321-6 (2,2,2). METHODS OF TEACHING IN PHYSICAL EDUCATION FOR WOMEN. (a) Team sports, (b) Dance, (c) Individual sports. Prerequisite: consent of instructor or adviser.
- 323-3 (1,1,1). OFFICIATING TECHNIQUES. Study of rules and their interpretation; requirements for ratings given by the United States Field Hockey Association and the Division for Girls' and Women's Sports. Officiating practice required. (a) Fall: field hockey and soccer. (b) Winter: basketball. (c) Spring: volleyball and softball.
- 352-2. HISTORY OF PHYSICAL EDUCATION. Survey of physical education from ancient times through the modern period, showing the relation

between aims and practices in physical education and social and physiological needs of different periods. Offered in alternate years.

501-4. Curriculum in Physical Education.

INTRAMURAL ACTIVITIES

Intramural activities are an integral part of the physical education program at the Edwardsville Campus. The intramural program is designed to allow all students the opportunity to participate in athletic and recreational activities.

PSYCHOLOGY

Undergraduate courses in psychology introduce the student to the methods and findings of the scientific study of human behavior. He is given an opportunity to learn what research has shown about how we perceive, learn, and think; how individuals differ from one another; how the personality develops from infancy to maturity and how interpersonal factors affect human relations in the home, on the job, and in the community.

The undergraduate concentration in psychology is primarily aimed at providing broad general education rather than specialized professional training in psychology; to become a professional psychologist the student must usually complete from two to four years of postgraduate study.

SUGGESTED CURRICULA

BACHELOR OF ARTS DEGREE

For this degree in the Social Sciences Division, a concentration in psychology requires a minimum of 44 hours in psychology and other courses (named below).

The following courses can be counted toward a concentration in psychology: General Studies Area B 201c, Guidance 305, Guidance 420 or GSD 114d or Mathematics 410a, Physiology 209, Special Education 414.

One who intends to pursue graduate studies in psychology should include in his undergraduate psychology concentration the following courses: 211, 305, 307, 311, 407, 421, Guidance 420 or GSD 114d or Mathematics 410a, GSB 201c or Psychology 201.

BACHELOR OF SCIENCE IN EDUCATION DEGREE

For this degree in the Education Division, a concentration in psy-

chology requires a minimum of 48 hours in psychology and other courses (named above).

One who intends to teach in the public schools or to pursue graduate studies in guidance should include in his undergraduate program the following courses: 303, 305, 307, 407, 421, Guidance 420, GSB 201c or Psychology 201. It is recommended that a student with psychology as a first teaching field combine this with a strong second teaching field.

SECONDARY CONCENTRATION

A secondary concentration in psychology consists of 27 hours and should include 303, 305, 307, and either 201 or GSB 201c.

COURSE DESCRIPTIONS

The prefix GSB indicates a General Studies course which involves the discipline of psychology and which is listed here for convenience. The description of such a course appears in the General Studies bulletin.

201-4. **INTRODUCTORY PSYCHOLOGY.** Introduction to the psychological nature of man, his development, motivations, emotions, learning, thinking, and perceiving. Not open to one who has had GSB 201c.

GSB 201c-3. **CULTURE, SOCIETY, BEHAVIOR.**

211-4. **PRINCIPLES AND METHODS OF PSYCHOLOGY I.** An introduction to the experimental methods utilized in the study of behavior. The work emphasizes the application of these methods to the study of sensory and perceptual phenomena, and response characteristics. Prerequisite: 201.

301-4. **CHILD PSYCHOLOGY.** Development of the human person from infancy to maturity, with emphasis on the early and middle years of childhood. Prerequisite: 201.

303-4. **ADOLESCENT PSYCHOLOGY.** Intensive study of development trends and influences during the adolescent years, with consideration of the special interpersonal problems encountered in this period. Prerequisite: 201.

305-4. **PERSONALITY DYNAMICS.** Exploration of human motivations, personality patterns, and ways of coping with the stresses of modern life. Prerequisite: 201.

307-4. **SOCIAL PSYCHOLOGY.** Introduction to the field of social psychology, with emphasis on attitude formation and intergroup relations. Prerequisite: 201.

311-4. **EXPERIMENTAL PSYCHOLOGY.** Introduction to the experimental analysis of behavior. Lecture and laboratory. Prerequisite: 201.

314-4. **EXPERIMENTAL PSYCHOLOGY: COMPARATIVE AND PHYSIOLOGICAL.** An examination of the physiological and phylogenetic variables affecting behavior. The laboratory involves work with different types of organisms, emphasizing physiological concomitants of behavior. Lecture and laboratory. Prerequisite: 211.

320-4. **INTRODUCTION TO INDUSTRIAL PSYCHOLOGY.** A study of the functions of psychology as a science and as a profession in contemporary business and industry. Prerequisite: 201.

- 407-4. THEORIES OF LEARNING. Consideration of systematic explanations of human and animal learning which have emerged from psychological laboratories. Prerequisite: 201.
- 409-4. HISTORY AND SYSTEMS. Study of the important antecedents of contemporary scientific psychology. Considers issues, conceptual developments, and research advances, and presents the major schools and systems. Prerequisite: 20 hours in psychology or consent of instructor.
- 421-4. PSYCHOLOGICAL TESTS AND MEASUREMENTS. Principles of psychological measurement, including errors of measurement, techniques for estimating reliability and validity, techniques of test construction, and problems in assessment and prediction. Prerequisite: 8 hours of psychology.
- 431-4. PSYCHOPATHOLOGY. The nature, etiology, and treatment of psychological disorders. Observations in a state mental hospital. Prerequisite: 305 or consent of instructor.
- 432-4. MENTAL HYGIENE. (Same as Guidance 412). An integration of psychological knowledge and principles concerning factors in personal life that tend to facilitate or to deter mental health. Prerequisite: 305 or consent of instructor.
- 437-3. FUNDAMENTALS OF COUNSELING. Introduction to the common assumptions, dimensions, and communicative skills underlying psychological counseling. Prerequisite: 305 or consent of instructor.
- 440-4. THEORIES OF PERSONALITY. A review and critical evaluation of major personality theories and their supporting evidence. Prerequisite: 305 or consent of instructor.
- 465-4. GROUP DYNAMICS. Development of principles of group functioning applicable to industry, schools, clinical practice, and community living. Prerequisite: 307 or consent of instructor.
- 479-4. PSYCHOLOGY OF INDUSTRIAL CONFLICT. Consideration of social and psychological factors underlying controversies between workers and management. Prerequisite: 320 or consent of instructor.
- 490-1 to 8. INDEPENDENT PROJECTS. Independent readings and projects in psychology. Prerequisite: consent of instructor.

SECONDARY EDUCATION

It is assumed that all candidates for the Bachelor of Science in Education degree have made a commitment to professional education. Secondary education concerns itself with courses in professional education, the teaching fields, and general education. Students should apply for acceptance to the teacher education program and arrange a conference with an adviser in secondary education no later than the sixth quarter.

REQUIREMENTS FOR THE BACHELOR OF SCIENCE
IN EDUCATION DEGREE

General Studies Requirements (See page 5.) 87-96

A student in the Education Division must complete all general requirements for a bachelor's degree including American history or government and GSB 331. Depending on his teaching field, 9 hours of General Studies on the first level may be waived. No general requirement in foreign language applies to the B.S. in Ed. degree.

<i>Professional Education Requirements</i>	32
Guidance 305 (prerequisite: GSB 201c)	4
Educational Administration 355 (prerequisite: GSB 331)	4
Secondary Education 315 (prerequisite: Guidance 305), 352D (required for a standard special certificate: pre- requisite: 315)	12-16
Educational electives with secondary education approval	12-8
<i>Teaching Fields</i> (may include some General Studies courses)	75-108
To meet the requirements in the subject-matter course, one must take either one 48-hour first teaching field and one 27-hour second teaching field or one 36-hour first teaching field and two 27-hour second teaching fields.	

TEACHING FIELDS

The first teaching field shall be at least 48 hours, with a second teaching field of sufficient hours to meet the minimum preparation for teaching in the various fields and subjects (the first teaching field and the second teaching field being in different areas), or the student may carry a 36-hour first teaching field with two approved second teaching fields. It is the policy of the Education Division that the courses and prerequisites within the first teaching field area be approved by the adviser in the teaching field. Additional elective hours in the first teaching field and the second teaching field are encouraged, with a first teaching field and a second teaching field selected from the following subject fields:

FIELD	HOURS	FIELD	HOURS
Art Education		English	1st teaching field 48 2nd teaching field 27
broad teaching field	67	Foreign Languages	1st teaching field 48 2nd teaching field 27
2nd teaching field	31	General Science and Mathematics	broad teaching field 84
Botany	1st teaching field 48	57 hours in general science:	
Biological Science		Chemistry 111-15, 341-4, GSA	
1st teaching field	48	201-9, 356-3, Physics 211-15,	
2nd teaching field	27	plus 6 hours related earth and	
Business Teacher Education		health science from General	
broad teaching field	73-77		
2nd teaching field	27		
Chemistry	1st teaching field 48		
2nd teaching field	27		

Studies; and 27 hours in mathematics: GSD 114-9, Mathematics 150-8, 300-4, 320-3, plus one other mathematics course above 299.		Physics	1st teaching field	48
			2nd teaching field	27
		Psychology	1st teaching field	48
			2nd teaching field	27
Geography	1st teaching field	Social Studies		
	2nd teaching field	broad teaching field		
Government	1st teaching field	27 hours in history, 24 in government or geography, and 12 hours in each of two of the following: anthropology, economics, geography or government, sociology.		
	2nd teaching field			
History	1st teaching field			
	2nd teaching field			
Mathematics	1st teaching field			
	2nd teaching field			
Music Education		Sociology	1st teaching field	48
	1st teaching field	Sociology	2nd teaching field	27
Physical Education		Speech Education		
	1st teaching field			
	2nd teaching field	Speech	2nd teaching field	27

MINIMUM STANDARDS FOR A SECONDARY SCHOOL CERTIFICATE

Students in academic units other than the Education Division who desire to meet minimum standards for a Secondary School Certificate in Illinois may do so by satisfying the following requirements, effective July 1, 1964:

1. Graduation from a recognized institution of higher learning with a bachelor's degree.
2. Recommendation of the institution of which the student is a graduate.
3. Minimum course work as follows:
 - a) Sixty-three quarter hours in general education with 12 hours in language arts, 9 in science or mathematics, 9 in social science including a course in American history and/or government, 9 in humanities, 6 in health and physical education, and 18 additional in any of these fields.
 - b) Twenty-eight quarter hours in professional education with work in each of the following fields: educational psychology, including human growth and development; methods and techniques of teaching; history and philosophy of education; a minimum of 8 hours of student teaching in the secondary school; and 8 hours of electives in professional education approved by a secondary adviser.
 - c) One first teaching field of 48 hours and one second teaching field of 27 to 36 hours, or three second teaching fields of 27 to 36 hours each. The first teaching field and second teaching field must be in

separate areas or subjects in accordance with minimum standards to teach those subjects in a recognized junior or senior high school.

Students anticipating certification as teachers should become familiar with the requirements for admission to the student teaching program which are listed elsewhere in this bulletin.

Effective September 1, 1962, a student preparing for certification on the secondary level in the state of Illinois must meet the following specific preparation requirements for subject matter fields.

ART30 hours

An appropriate distribution in (1) painting and drawing; (2) two and three dimensional design; (3) crafts; (4) art education; and (5) history and appreciation of art.

BUSINESS EDUCATION30 hours

May include a methods course. Following are minimum qualifications for the subject matter areas or courses taught:

1. Typewriting, 9 hours in sequential courses or completion of the advanced course in this sequence.
2. Shorthand and Transcription, 9 hours in sequential courses or completion of the advanced course in this sequence.
3. Bookkeeping, Record Keeping, Accounting, 9 hours in accounting.
4. Business Law, Two courses.
5. Salesmanship, Two courses selected from salesmanship, retailing, marketing, store management, advertising.
6. Office Machines, One course.
7. Office Practice, One course plus qualifications for teaching bookkeeping, typewriting, and office machines.
8. Secretarial Practice, One course plus qualifications for teaching shorthand and typewriting.
9. Business Arithmetic, One course, or 9 hours in accounting.
10. General Business, Four courses distributed in at least four of the following: accounting or business arithmetic, business English, business law, consumer education, economics, introduction to business, marketing, advertising or salesmanship, methods of teaching basic business.

ENGLISH LANGUAGE ARTS (English, speech, and journalism) ..36 hours

1. English, 36 hours in the field, including a minimum of 9 hours in rhetoric and/or composition, and not more than 12 hours in speech and/or journalism.
2. Speech, qualifications to teach English, including a minimum of 12 hours in speech.

- 3. Journalism, qualifications to teach English, including a minimum of 12 hours in journalism.
- 4. Foreign Language, 30 hours in the particular language to be taught. (No credit may be allowed for high school language, unless such credit is approved by an institution of higher learning and is noted on the official transcript; in which case 1½ hours may be allowed for each unit of high school language, not to exceed 6 hours.)

HEALTH INSTRUCTION30 hours
Includes work in (1) school health education; (2) basic health sciences; and (3) applied health sciences.

MATHEMATICS30 hours
No credit may be allowed for high school mathematics, unless such credit is approved by an institution of higher learning, and it is noted on the official transcript; in which case 1½ hours may be allowed for each unit of high school mathematics, not to exceed 6 hours.

MUSIC30 hours
Work in each of the following: (1) applied music; (2) music theory; (3) conducting; (4) history of music; and (5) methods and materials for general public school music .

PHYSICAL EDUCATION 30 hours
Work in each of the following: (1) team sports; (2) individual activities; (3) rhythms; (4) body mechanics and basic exercises; (5) organization and administration of physical education classes; and (6) health education.

SAFETY AND DRIVER EDUCATION24 hours
Two courses in driver education and one course in general safety, with remaining hours to be elected from the related field of health education, first aid, or general safety.

SCIENCE (biological, physical, or general).....36 hours
Biological Science. 36 hours in the field, with the following minimum preparation in each subject taught: botany, 12 hours; zoology, 12 hours; physiology, 12 hours. Teachers of biology must have at least 12 hours of preparation in both botany and zoology, which includes at least one 7½-hour laboratory course in botany, and one 7½-hour laboratory course in zoology, or 15 hours of laboratory work in biology.

Physical Science. 36 hours in the field with the following minimum preparation in each subject taught: astronomy, 7½ hours; chemistry, 15

hours; physiography, 7½ hours; geology, 12 hours; physics, 15 hours. It is recommended that a teacher of astronomy, chemistry, or physics have minimum preparation as a teacher of mathematics.

General Science. 36 hours in the field, including the following minimum preparation: physical science, 12 hours; biological science, 12 hours.

SOCIAL STUDIES36 hours

Includes the following minimum preparation in each subject taught: civics-political science, 12 hours; economics, 12 hours; sociology, 12 hours; geography, 12 hours; American history, 12 hours; world history, 12 hours in European history and 7½ hours in American history. A teacher of any history course must have completed at least 24 hours of preparation in the field of history.

COURSE DESCRIPTIONS

315-4. HIGH SCHOOL METHODS. Various types of procedures used for effective classroom teaching constitute the basis of study and discussion. The problem approach and unit method are stressed. Prerequisite: Guidance 305 or consent of instructor.

352D-8 to 12. SECONDARY STUDENT TEACHING.

352E-4 to 8. SECONDARY STUDENT TEACHING. Prerequisite: 352D-8.

407-4. THE JUNIOR HIGH SCHOOL. The place of the junior high school in the organizational pattern, with major emphasis upon the areas of organization, administration, and curriculum.

SPECIAL METHODS COURSES. In some fields of study special methodology courses are offered by the faculty of that subject area. See these listings in the fields of art education, business education, English, foreign languages, history, mathematics, music education, physical education and health, science, and social studies.

487-4. TEACHING THE NATURAL SCIENCES IN SECONDARY SCHOOLS. Objectives of science education; instruction methods and techniques appropriate for teaching science; desirable equipment, audio-visual aids, and instructional material; development of a course outline and at least one instruction unit. Prerequisite: 315 or consent of instructor.

488-4. TEACHING THE SOCIAL STUDIES IN SECONDARY SCHOOLS. Social studies objectives for grades 7 through 12; methods and procedures for most effective instruction; useful textbook references and audio-visual materials; preparation of a course outline and detailed plans for one or more instruction units. Prerequisite: 315 or consent of instructor.

490-4. WORKSHOP IN ECONOMICS EDUCATION. (Same as Economics 490.) Designed to assist elementary and secondary school teachers in promoting economic understanding through the translation of economic principles and problems into classroom teaching materials.

505-4. Improvement of Reading Instruction.

507-2 to 4. Readings in Reading.

508-4. Seminar: Trends in Selected Areas in Secondary Schools.

- 521-3 to 4. Diagnosis and Correction of Reading Disabilities I.
- 550-4. Core Curriculum in the Secondary School.
- 562-4. Workshop in High School Curriculum.
- 564-4. High School Principalship.
- 570-4. Extra-Class Activities.
- 575-2 to 4. Individual Research (parts a-j)
- 591-4. Workshop in Current Problems in Secondary Education.

SPECIAL EDUCATION

The Education Division offers undergraduate work leading to the Bachelor of Science in Education degree in special education. Completion of the degree requirements qualifies one for certification as a teacher of the educable mentally handicapped child.

A student in this curriculum should (1) meet all requirements pertaining to prerequisites to student teaching and should study the section in this bulletin which lists such requirements: (2) have at least 24 hours in each of these fields: language arts, natural science, social science: and (3) satisfy the general requirements of the University and of the Education Division.

REQUIREMENTS FOR THE BACHELOR OF SCIENCE IN EDUCATION
DEGREE WITH A CONCENTRATION IN SPECIAL EDUCATION

<i>Language Arts</i>	24 hours
GSC 251-6, GSD 101-6, 103, English 300 or 391, Speech Correction 428, plus elective hours to total 24.	
<i>Natural Science</i>	24 hours
GSA 101a,b,c, 201a,b,c (GSA 200 substitutes for 201b or 201c), plus 6 hours.	
<i>Social Science</i>	24 hours
GSB 101a,b,c, 201a,b, plus 8 or 9 hours from History 201 and Government 210 or the General Studies equivalents.	
<i>Mathematics</i>	9 hours
GSD 112a,b,c, Mathematics 310 or equivalent.	
<i>Fine and Applied Arts</i>	18 hours
GSC 100 or 101, plus electives to equal 18.	
<i>Health and Physical Education</i>	10 hours
GSE 201, plus 3 hours in physical education activity; plus Physical Education 350.	
<i>General Psychology</i>	3 hours
GSB 201c	
<i>Education</i>	31 hours

GSB 331; Elementary Education 314, 337, 351-8, Guidance 305; Instructional Materials 417, Educational Administration 355.

Special Education24 hours
Special Education 410, 413, 414, 420, 8 hours of student teaching in special education.

This program fulfills all the requirements for an elementary teaching certificate in Illinois plus a certificate to teach educable mentally handicapped children.

Information relative to programs leading to a master's degree appears in the Graduate School bulletin.

COURSE DESCRIPTIONS

351D-8. ELEMENTARY STUDENT TEACHING.

410-4. PROBLEMS AND CHARACTERISTICS OF THE MENTALLY RETARDED. Objectives, curriculum, methods, and materials of instruction for slow learners. Emphasis upon the principles of learning as they can be applied to this group. Observations. Prerequisite: Guidance 305 or Psychology 301 or 303.

412-4. EDUCATION OF GIFTED CHILDREN. Designed to help teachers in the identification of, and programming for, gifted and talented children. Prerequisite: Guidance 305 or Psychology 301 or 303.

413-4. DIRECTED OBSERVATION OF EXCEPTIONAL CHILDREN. Taken concurrently with a problem course in a specific area which provides student observation and participation in individual work with exceptional children. Prerequisite: consent of instructor.

414-4. THE EXCEPTIONAL CHILD. Physical, mental, emotional, and social traits of all types of exceptional children. Effects of handicaps in learning situations. Methods of differentiation and techniques for rehabilitation. Individual case studies used; observations and field trips. Prerequisites: Guidance 305, Psychology 301 or 303.

418-4. WORKSHOP IN SPECIAL EDUCATION. Designed to promote better understanding of the psychological and educational problems of atypical children. Specialists used as consultants. Open to seniors and graduate students majoring in education, guidance, or special education.

420-4. METHODS AND MATERIALS FOR TEACHING EXCEPTIONAL CHILDREN. Offered in conjunction with practice teaching, dealing with methods and materials needed in teaching specific types of exceptional children.

428-4. SPEECH CORRECTION FOR THE CLASSROOM TEACHER. (Same as Speech Correction 428.) Etiology and therapy of common speech defects. Open to in-service teachers, seniors, and graduate students in education.

481-4. SEMINAR.

513-4. Organization, Administration, and Supervision of Special Classes.

577-4 to 12. Practicum in Special Education.

STUDENT TEACHING

Application for student teaching should be completed at least two quarters prior to enrollment in the student teaching program. The student will be officially accepted upon receipt of all completed application forms by the Student Teaching Office. Students usually are placed according to their preference. Application to the Student Teaching Office as early as one year in advance will do much to ensure receiving first preference.

The Education Division recommends that a September experience in the classroom should precede student teaching whether it be in the fall, winter, or spring quarter. Request for a September experience and application for student teaching should be submitted to the Student Teaching Office before April 1.

The student's schedule should allow a full morning or afternoon for student teaching. It is recommended that elementary student teaching be done mornings. Consult your adviser in the Education Division to determine the number of quarter hours (between 4 and 16) to be taken.

PREREQUISITES

The student teacher should meet the following requirements prior to enrollment in student teaching:

1. At least 144 quarter hours with a C average.
2. Satisfactory completion of GSD 103 or an equivalent public speaking course.
3. One quarter of residence at the Edwardsville Campus or completion of a minimum of 15 hours.
4. Conference with and approval of adviser in teaching field and adviser in professional education.
5. The state of Illinois requires that all students doing student teaching take a physical examination including a tuberculin test or a chest X-ray. Forms for these examinations can be obtained from the University Health Service office and should be returned to the same office at least *two months prior* to the student entering the public school classroom.

SECONDARY

1. At least 24 quarter hours in teaching field.
2. At least 11 quarter hours in professional education courses prior to enrollment in student teaching. It is recommended that Secondary Education 315 be taken the quarter prior to student teaching.

ELEMENTARY

1. Guidance 305 and Elementary Education 314 and 337. At least 24 quarter hours recommended.

EARLY CHILDHOOD

1. Meet elementary requirements with exception of Elementary Education 316 instead of 314.
2. Additional 4 hours of student teaching at the kindergarten level.
3. Three terms of Music 010e or pass proficiency in piano.

SPECIAL EDUCATION

1. Meet elementary requirements.
2. Additional courses: Special Education 410 and 413.
3. Eight quarter hours of student teaching in elementary education.

Fine Arts Division

Art and Design; Music; Speech and Theater

THE OBJECTIVES OF the Fine Arts Division are to broaden and intensify experiences in the fine arts in the area served by the University; to impart to students an awareness of the cultural values of the arts through formal courses of instruction, exhibitions, concerts, and performances; to provide facilities for the creative and scholarly pursuit of the arts; and to offer specialized programs to serve the ends of liberal and professional education.

FACULTY OF ART AND DESIGN

Associate Professors William F. Freund (M.S., Wisconsin), David C. Huntley (M.A., North Carolina), John A. Richardson (Ed.D., Columbia; *chairman*).

Assistant Professors Evelyn T. Buddemeyer (B.S., Missouri), Glen E. Howerton (M.S., Fort Hays Kansas State), Catherine E. Milovich (M.A., Columbia).

Instructor John D. Randall (B.S., Illinois Inst. of Tech.).

Term Instructors and Lecturers Walter Kemper, Lawrence L. Marcell.

FACULTY OF MUSIC

Professors John D. Kendall (M.A., Columbia), Edwin B. Warren (Ph.D., Michigan). *Associate Professors* Lloyd G. Blakely (Mus.A.D., Boston; *chairman*), Dorothy E. Tulloss (Mus.A.D., Boston).

Assistant Professors Kenwyn G. Boldt (M.M., Indiana), Clinton D. Fjerstad (M.M., Indiana), Assen D. Kreteff (Ph.D., Munich), George K. Mellott (Ph.D., Iowa), Leonard W. VanCamp (Mus.A.D., Missouri, Kansas City).

FACULTY OF SPEECH AND THEATER

Professor Andrew J. Kochman (Ph.D., Wisconsin).

Associate Professors Robert B. Hawkins (Ph.D., Northwestern), Harry M. Lyle (Ph.D., Southern California), James L. Robinson (M.A., Northwestern), Hollis L. White (Ph.D., Missouri; *chairman*).

Assistant Professors Clifton Cornwell, Jr. (M.A., Missouri), Calvin L. Pritner (M.A., Illinois).

Instructors Richard O. Bell (M.F.A., Ohio), Jerome M. Birdman (M.A., Illinois), Mary Belle Smith (M.A., Iowa).

Term Instructors and Lecturers Ann L. Carey (M.S., Southern Illinois), Ayers McGrew, Richard E. Wilson.

DIVISIONAL REQUIREMENTS

Because of the diverse nature of the instructional areas of the Fine Arts Division and because of the varying requirements of the bachelor's degrees whose concentrations fall within the division, no attempt is made to list divisional requirements; instead under each area of instruction are listed the requirements within the Fine Arts Division leading to the Bachelor of Arts, Bachelor of Science in Education, and Bachelor of Music degrees.

ART AND DESIGN

Undergraduate offerings in art provide both introductory and specialized experiences. Curricula are planned for those desiring a concentration in art and for those interested in art as an avocation.

The Fine Arts Division reserves the right to withhold an example of the work of each student in each class. Such works become a part of a permanent collection from which exhibitions may be prepared.

During the last quarter of his junior year, any art student may petition the art faculty to grant him the privilege of an exhibition of his work. Such an exhibit may be comprised of the work of an individual or may be composed of the works of several seniors. Participation is not required for graduation; permission to participate is extended in recognition of industry and ability.

SUGGESTED CURRICULA

BACHELOR OF ARTS DEGREE

<i>General Studies Requirements</i> (See page 5.).....	87
<i>Bachelor of Arts Degree Requirements</i> (See page 7.)	(9)
<i>Art Concentration Requirements</i>	58
General Studies Area C 351-12	(9) + 3
Art 100-15, 201-8, 203-8, 310-8, 358-8, 8 hours from these: 305, 310, 324, 325, 358	55
<i>Secondary Concentration Requirements</i>	24-27
<i>Electives</i>	20-23
<i>Total</i>	192

BACHELOR OF SCIENCE IN EDUCATION DEGREE

For this degree in the Education Division, the following courses consti-

tute a concentration in art: 100–15, 201–8, 203–8, 300–4, 310–8, 358–8, 365–4, GSC 351–12. They total 67 hours.

SECONDARY CONCENTRATION

A secondary concentration in art requires 100–15, 201–8 or 203–8, and 8 hours from the following: 300, 305, 310, 324, 358, 365, GSC 101, 351.

COURSE DESCRIPTIONS

The prefix GSC indicates a General Studies course which involves the discipline of art and which is listed here for convenience. The description of such a course appears in the General Studies bulletin.

100–15 (5,5,5). **BASIC STUDIO.** A comprehensive survey of various technical areas of art. First-hand experience with a number of different media. Required of all students concentrating in art and recommended for others interested in basic studio experience. Must be taken in a,b,c sequence. Prerequisite to all studio courses other than 300.

GSC 101–3. **ART APPRECIATION.**

201–8 (4,4). **DRAWING AND COMPOSITION.** An extension and intensification of Basic Studio experiences with emphasis on draughtmanship and composition. Must be taken in a,b sequence. Prerequisite: 100–15.

203–8 (4,4). **BEGINNING CERAMICS.** An exploration of the technical and aesthetic possibilities of the potter's craft. Must be taken in a,b sequence. Prerequisite: 100–15.

300–12 (4,4,4). **ART EDUCATION.** Theory and practice of art activities in the elementary schools with attention to teaching methodology. Designed primarily to meet the needs of elementary education students. Must be taken in a,b,c sequence. No prerequisite.

305–12 (4,4,4). **ADVANCED CERAMICS.** Intensive study of ceramics as an art form. Must be taken in a,b,c sequence. Prerequisite: 203–8.

310–12 (4,4,4). **OIL PAINTING.** Intensive study of oil painting as a medium of expression. Individual rather than group problems are engaged. Must be taken in a,b,c sequence. Prerequisite: 201–8.

324–4. **WATERCOLOR.** Intensive study of watercolor painting as a medium of expression. Transparent watercolor, gouache, casein, and tempera techniques may be explored. Prerequisite: 201–8.

325–12 (4,4,4). **STUDIO.** Advanced independent study and research. Work may be undertaken in painting, sculpture, jewelry, drawing, printmaking, pottery, weaving and other crafts. (Media of the student's selection). May be taken in any sequence. Prerequisites: 8 hours in medium of choice (except where such courses do not exist) and consent of instructor.

350–6 (3,3). **LECTURES IN AMERICAN ART.** A survey of American painting, sculpture, and architecture from the early 18th century to the present. May be taken in either sequence. Prerequisite: GSC 101, GSC 351a, or consent of instructor.

GSC 351–12 (4,4,4). **HISTORY OF WORLD ART.**

358–12 (4,4,4). **PRINTS.** An introduction to printmaking as a medium. Studio projects in intaglio, relief, and planographic processes. Must be taken in a,b,c sequence. Prerequisite: 201–8.

- 365-4. ART EDUCATION IN THE SECONDARY SCHOOLS. For art education majors preparing to teach on secondary level; includes studio projects designed to develop awareness of technical and aesthetic needs of high school students, reading and discussion of literature, planning of curriculum, and instructional facilities. Winter quarter only.
- 393-12 (4,4,4). SCULPTURE. Problems in modeling, carving, casting, and construction. Must be taken in a,b,c sequence. Prerequisite: 100-15.
- 401-8 (4,4). RESEARCH IN ART. Projects undertaken combine academic research of a historical nature with technical experimentation on the part of the artist. May be taken in either sequence. Prerequisite: consent of the art faculty.
- 406-8 (4,4). STUDIO IN ART. Advanced independent study. May be taken in either sequence. Prerequisite: 401-8.

MUSIC

During the academic year the music staff of the Fine Arts Division brings to the campus a series of distinguished musicians who join the faculty and students for a period of workshops, seminars, and performances. The series has included such artists as Sigurd Rascher, saxophonist; Leonard Smith, cornetist; Sidney Foster, pianist; the Ritter-Allen Duo (violin-piano); Reginald Kell, clarinetist; John Barrows, french horn; Vincent Abato, clarinet-saxophone; and Paul Price, percussion.

The music staff offers service courses in music to students in the other divisions of the University and curricula leading to the following baccalaureate degrees: Bachelor of Music, for students in the Fine Arts Division with specialization in music performance or in music education, and Bachelor of Arts, for students in other divisions but desiring concentration in music as part of their general cultural education.

SUGGESTED CURRICULA

Detailed requirements in music are stated in a handbook provided by the music faculty.

BACHELOR OF ARTS DEGREE

This curriculum is designed for students who wish to specialize in music as part of their general cultural education. It is also designed to provide a background training for those who may plan to pursue advanced studies in music.

<i>General Studies Requirements</i> (See page 5.)	87
<i>Bachelor of Arts Degree Requirements</i> (See page 7.).....	(9)

<i>Music Concentration Requirements</i>	51
GSC 255, 357–9	(9) + 3
Music 105–12, 205–9	21
Music performance major (2 hours per quarter)	12
Music major ensemble	6
Music electives	9
<i>Secondary Concentration Requirements</i>	24–27
<i>Electives</i>	27–30
<i>Total</i>	192

BACHELOR OF MUSIC DEGREE

Music Performance

<i>General Studies Requirements</i> (See page 5.)	87
<i>Music Performance Concentration Requirements</i>	108
Music 105–12, 205–9, 309a, 312a, 318a, 326a, 442a	36
Music, private applied (major instrument)	45
Music, major ensemble (1 hour per quarter)	12
Music, class piano or secondary instrument/voice	6
Music, electives	9
<i>Total</i>	195

Voice concentrations in music performance include one year each of French and German. Students in performance specializations other than voice and those with probable future specializations in music theory-composition, music history-literature, or church music, should consult with their adviser as to the sequence to be followed in languages.

Music Education

American history or government is required of the student with specialization in music education.

One year of French or German is recommended for the student with vocal-choral emphasis in music education. Modern language is not required of the student with instrumental or combined choral-instrumental emphasis in music education.

<i>General Studies Requirements</i> (See page 5.)	87
<i>Music Education Concentration Requirements</i>	81–90
Music 105–12, 205–9, 309–3, 318–6, 326–3	33
Music, private applied (major instrument)	24
Music, major ensemble (1 hour per quarter)	12
Music, class piano or secondary instrument/voice	12–21

<i>Professional Education Requirements</i>	25
Music 301-9	9
Guidance 305	4
Elementary Education 351E and Secondary Education 352D	12
GSB 331	(3)
<i>Total</i>	193-202

SECONDARY CONCENTRATION

A secondary concentration in music includes 105-12, 1 hour of credit per quarter for six quarters in performance major, 6 hours in a major ensemble, GSC 100, 255. Total: 30 hours.

COURSE DESCRIPTIONS

The prefix GSC indicates a General Studies course which involves the discipline of music and which is listed here for convenience. The description of such a course appears in the General Studies bulletin.

THEORY COURSES

- 105-12 (4,4,4). THEORY OF MUSIC. Fundamentals of music through sight singing, dictation, written, and keyboard harmony. Must be taken in a,b,c sequence. Prerequisite: Piano proficiency or concurrent enrollment in 010e.
- 200-3. FUNDAMENTALS OF MUSIC. Rudiments of music for those with little or no musical background. Recommended as a course preliminary to 300. (not for music curricula). May be taken concurrently with 010e.
- 205-9 (3,3,3). THEORY OF MUSIC. Advanced harmonic techniques, modulation, altered chords, chromatic harmony, counterpoint, and introduction to contemporary harmonic principles. Must be taken in a,b,c sequence. Prerequisite: 105c.
- 309-6 (3,3). ORCHESTRATION. The techniques of writing for orchestral instruments. Must be taken in a,b, sequence. Prerequisite: 205c.
- 312-6 (3,3). COMPOSITION. (a) Original composition in the smaller forms for piano, voice, string quartet, and other small combinations. (b) Original composition in the larger forms. Must be taken in a,b sequence. Prerequisite: 205c.
- 326-6 (3,3). ANALYSIS. (a) Analysis of the important musical forms and styles from plain song through the 12-tone technique with emphasis on forms of the 18th and 19th centuries. (b) Analysis of the larger homophonic and contrapuntal forms from the 18th century to the present. Must be taken in a,b sequence. Prerequisite: 205c or consent of instructor.
- 442-6 (3,3). CONTRAPUNTAL FORMS. (a) Analysis and creative writing in the style of Palestrina and his contemporaries and the contrapuntal-harmonic technique of Bach. (b) Analysis and creative writing of the larger imitative forms. Must be taken in a,b sequence. Prerequisite: 205c.

HISTORY AND LITERATURE COURSES

GSC 100-3. MUSIC UNDERSTANDING.

GSC 255-3. MUSIC IN HISTORY.

GSC 357-9 (3,3,3). MUSIC HISTORY AND LITERATURE.

411-9 (3,3,3). MUSIC LITERATURE. (a) Symphonic: A study of the development of the symphony and symphonic poem. (b) Choral: The literature of the larger vocal forms such as the cantata and oratorio. (c) Chamber Music: Study of chamber music from the Renaissance to the present. May be taken in any sequence. Prerequisite: consent of instructor.

MUSIC EDUCATION COURSES

300-3. MUSIC EDUCATION—ELEMENTARY. Teaching music in the elementary grades. (Not for music curricula.) Prerequisite: 200 or equivalent.

301-9 (3,3,3). MUSIC EDUCATION. (a) Music in the elementary school curriculum, grades K-6. Analysis of instructional materials, development of rhythmic and melodic expressions, creative, instrumental, listening activities. Creating a musical environment in the classroom. (b) Junior high school: Curriculum, organization, and administration of choral, instrumental, and general music classes; resource units; the adolescent voice. (c) Senior high school: Curriculum, organization, and administration of choral, instrumental, and general music classes. Must be taken in a,b,c sequence. (For music concentration only).

307-4. RECREATIONAL MUSIC. For those interested in the less formal approach to music and for prospective leaders of recreational activities.

318-6 (3,3). CONDUCTING. (a) General: Fundamental conducting patterns, size of beats, use of each hand; conducting experience with laboratory groups both choral and instrumental; discussion and study of musical terminology. (b) Choral and Instrumental: Continued conducting experience through laboratory group; study of rehearsal techniques, balance, blend, and the relationship of parts to the total ensemble; evaluation and analysis of literature suitable for school groups of all levels of ability. Must be taken in a,b sequence.

451-3. THE TEACHING OF GENERAL CLASSROOM MUSIC IN THE JUNIOR AND SENIOR HIGH SCHOOL.

455-4. WORKSHOP FOR ELEMENTARY MUSIC EDUCATION.

461-6 (3,3). TEACHING TECHNIQUES AND MATERIALS. Designed to meet the needs of piano or voice specializations in the Bachelor of Music or the Master of Music degree programs. Problems of private studio teaching and college level teaching are studied. (a) For the intermediate levels. (b) For the advanced levels. Must be taken in a,b sequence. Prerequisite: Senior or graduate standing in music or consent of instructor.

465-3. DEVELOPMENT AND TEACHING OF STRINGS. Place and function of string education in the elementary and secondary schools. Techniques of heterogeneous and homogeneous string teaching. Developing and sustaining interest in the string program. Resource aids. Given each quarter. May be repeated for credit up to 9 hours. Prerequisite: senior standing.

MUSIC PERFORMANCE COURSES

- 001-1 (1,0,0). UNIVERSITY BANDS. (a) Symphonic Band, (b) Stage Band, (c) Instrumental Laboratory. May be taken in any sequence. Any part may be repeated for 12 quarters. Prerequisite: (a,b) by audition, (c) consent of instructor.
- 002-6 (1,1,1,1,1,1). CHORAL ENSEMBLES. (a) Collegiate Singers, (b) University Chorus, (c) Male Chorus, (d) Women's Chorale, (e) Southern Illinois University Community Choral Society, (f) Madrigal Singers. May be taken in any sequence. Any part may be repeated for 12 quarters. Prerequisite: none, except audition for (a,f).
- 010-6 (1,1,1,1,1,1). CLASS APPLIED MUSIC. Class instruction is offered in all areas of applied music, except organ. These courses include the minimum instruction required for passing the proficiency examinations in piano and voice, and they offer practical training in the basic principles of playing the instruments of the orchestra and band. They also include introductory techniques and methods for teaching instrumental and vocal groups in the elementary and secondary schools. Assignment to specific instrument study is made on the first day of class. (a) Strings, (b) Woodwinds, (c) Brass, (d) Percussion, (e) Piano, (f) Voice. May be taken in any sequence. A student with a music concentration should consult his adviser as to the required sequences. Prerequisite: none.
- 140-2 or 4, 240-2 or 4, 340-2 or 4, 440-2 or 4, 540-2 or 4. PRIVATE APPLIED MUSIC. Private instruction is offered at five levels in the areas listed below. Credit is given at two or four hours on each level. Consult with adviser for details of credit and requirements. May be repeated for three quarters at each level. Performance majors usually take 4 hours. Music education majors and all music minors usually take 2 hours. Prerequisite for 140: music concentration or secondary concentration or consent of music faculty. Prerequisite for higher levels: three quarters at the previous level on the same instrument or consent of the instructor. (a) Violin, (b) Viola, (c) Cello, (d) String Bass, (e) Flute, (f) Oboe, (g) Clarinet, (h) Bassoon, (i) Saxophone, (j) Percussion, (k) Piano, (l) French Horn, (m) Trumpet, (n) Trombone, (o) Tuba, (p) Baritone, (q) Voice, (r) Organ.
- 355-3 (1,1,1). CHAMBER MUSIC ENSEMBLES. (a) Brass, (b) Woodwinds, (c) Strings. May be taken in any sequence. Any part may be repeated for 12 quarters. Prerequisite: consent of instructor.

MUSIC COURSES FOR GRADUATE STUDENTS ONLY

- 502-9 (3,3,3). History and Analysis of Musical Style.
- 515-3. Twentieth Century Literature.
- 518-3. Pedagogy of Music Literature.
- 520-3. American Music.
- 522-3. Seminar in Music History-Literature.
- 535-3. Contemporary Idioms.
- 550-8 (4,4). Organization and Administration of the Music Education Program.
- 553-6 (3,3). Seminar in Materials and Techniques.
- 556-3. Advanced Conducting.
- 560-3. Seminar in Music Education.

SPEECH AND THEATER

The success of the American system of representative democracy depends largely upon the effectiveness with which men use oral communication to formulate and implement decisions. The success of a liberal education depends largely upon the effectiveness with which men use oral communication in their pursuit of truth, justice, and beauty. Thus, the basic objectives are (1) to help students to prepare themselves for more effective participation in the making and implementing of democratic decisions, and (2) to show students how speech can help them obtain a liberal education.

The study of speech is essential in preparing students for careers in law, business, education, engineering, journalism, medicine, and the ministry. Students with special interests in broadcasting, speech science, speech therapy, audiology, theater, public address, or speech education may plan concentrations from the course offerings in speech to further their professional interests.

SUGGESTED CURRICULA

BACHELOR OF ARTS DEGREE

Three curricula are offered: (1) general speech, (2) speech education, and (3) theater. Students who expect to be certified as teachers on the secondary education level must fulfill the professional education requirements as outlined in the Education Division section of this bulletin.

Every student who concentrates in speech must participate in the Speech Arts Performance Program for three quarters by enrolling in Speech 230 or 330. He must also present a special graduation project in his senior year before an examining committee of speech faculty members. The committee shall certify the candidate's performance only if his project meets certain minimum standards of excellence. The kind of project shall be determined by the student and his adviser. Examples include the following: preparing and delivering an extensive and thoroughly documented paper on some national or international problem; writing and producing a one-act play; writing and producing a radio or television play. Unlike the Speech Arts Performance Program, in which students may work together (e.g., in theatrical productions or on debate teams), the graduation project is to be performed by the student *alone*. Seniors must take the initiative early in their senior year for arranging the project with their advisers and for setting the time of the performance.

The student will consult with his major adviser for an appropriate, cognate, secondary concentration.

General Speech and Speech Education

<i>General Studies Requirements</i> (See page 5.)	96
<i>Bachelor of Arts Degree Requirements</i> (See page 7.)	(9)
<i>Speech Concentration Requirements</i>	48
GSD 103-3	(3)
Speech 102, 104, 202, 224, 230 or 330	18
Speech electives in at least three of the four speech areas listed below under "Course Descriptions" (306 is re- quired for certification in secondary education)	30
<i>Secondary Concentration Requirements</i>	24
A secondary concentration of at least 24 hours in one of the social sciences is strongly recommended for General Speech, in a social science or English literature or a foreign language for Speech Education.	
<i>Electives</i>	24
<i>Total</i>	192

Theater

<i>General Studies Requirements</i> (See page 5.)	96
<i>Bachelor of Arts Degree Requirements</i> (See page 7.)	(9)
<i>Speech Concentration Requirements</i>	61
GSC 100, 101, 203, 354-6	(12) + 3
GSD 103-3	(3)
Art 100	5
English 365, 460a, 460b, 460c, 460d, 468, 471-4 (any 4)	16
Philosophy 360	4
Speech 104, 224, 230-3 or 330-3	11
Theater 121-6, 203, 204, 402, 439	22
<i>Secondary Concentration Requirements</i>	24
<i>Electives</i>	11
<i>Total</i>	192

SECONDARY CONCENTRATION

It is recommended that a student who desires a 27-hour concentration in speech take courses based upon his interest and faculty advisement. For secondary education certification, 306 must be included.

COURSE DESCRIPTIONS

Courses are listed numerically in 4 categories: general speech, radio and television, speech correction, and theater.

The prefix GSC or GSD indicates a General Studies course which involves the discipline of speech and which is listed here for convenience. The description of such a course appears in the General Studies bulletin. General Studies courses meet the requirements of both the General Studies program and the speech concentration.

GENERAL SPEECH

102-4. PUBLIC SPEAKING. Analysis of audience motives and reactions stressed in the approach to speech preparation for typical public speaking situations. Prerequisite: GSD 103.

GSD 103-3. ORAL COMMUNICATION OF IDEAS.

104-4. TRAINING THE SPEAKING VOICE. Designed for those students who desire to improve their voice and articulation. Prerequisite: GSD 103.

202-3. PRINCIPLES OF DISCUSSION. Principles and methods of group discussion. Current problems used as materials for discussion. Prerequisite: GSD 103.

205-3. PRINCIPLES OF ARGUMENTATION AND DEBATE. Principles of argument, analysis, evidence, reasoning, fallacies, briefing, and delivery. Prerequisite: GSD 103.

224-4. COMMUNICATIVE READING. Study of and practice in the analysis of literature and its oral communication to an audience. Prerequisite: GSD 103.

230-6 (1 per quarter). SPEECH ACTIVITIES. Directed public performance in one or more of the following: Speaking, communicative reading, theater, radio, and television. Kind of activity to be determined by student and his adviser. Open to all students. Prerequisite: consent of instructor.

301-4. PERSUASION. Psychological principles involved in influencing individuals and groups. Prerequisite: GSD 103.

303-4. BUSINESS AND PROFESSIONAL SPEAKING. Speaking needs of business and professional people. Technical reports and lighter types of speaking included in the types studied. Primarily for adult and extension classes. Prerequisite: none.

306-4. TEACHING SPEECH IN SECONDARY SCHOOLS. Philosophy of speech education, and effective teaching of speech through curricular and extracurricular work. Required of speech students working for a secondary education degree in Education Division. Prerequisite: 16 hours of speech.

330-6 (1 per quarter) SPEECH ACTIVITIES. (Same as 230.)

407-8 (4,4). HISTORY OF AMERICAN PUBLIC ADDRESS. Critical studies of American speakers; a study of selected speakers and speeches which reflect the dominant social and political ideas in American history. May be taken in either sequence. Prerequisite: none.

- 408-4. PSYCHOLOGY OF SPEECH. Nature and development of speech, its basic psychology, and the part speech plays in personality development. Prerequisite: GSD 103.
- 449-4. GENERAL SEMANTICS. Study of the relationships between spoken language and reality and case studies of communications breakdowns.

RADIO AND TELEVISION

- 251-3. SURVEY OF BROADCASTING. Examination of the United States system of broadcasting with emphasis on industry, network structure, and local station organization and economics. The various systems of foreign broadcasting. This course is a foundation for 368.
- 257-4. FUNDAMENTALS OF BROADCAST WRITING. Oral and visual forms of writing for radio and television. Short continuity forms and commercial presentations. Prerequisite: GSD 103.
- 368-8 (4,4). FUNDAMENTALS OF RADIO AND TELEVISION PRODUCTION. (a) Production of various types of radio programs from conception through completion, including writing, direction, and performance. Station operational procedures. (b) Use of equipment and basic techniques in production of television programs of all types. Three one-hour lectures and three one-hour scheduled laboratory periods per week. May be taken in either sequence. Prerequisite: consent of instructor.
- 393-3. RADIO, TELEVISION, AND SOCIETY. The interrelation of radio and television with social habit patterns and with economic and political systems. Case studies. Prerequisite: consent of instructor.

SPEECH CORRECTION

- 100-4 (0-2 per quarter). SPEECH CLINIC. For students with speech and hearing deviations who need individual help.
- 200-4. PHONETICS. Instruction in the use of phonetic symbols to record the speech sounds of American English, with emphasis on ear training, and a description of place and manner of production of these sounds.
- 203-4. INTRODUCTION TO SPEECH SCIENCE. An introduction to the science of general speech including the history of research in the field and significant experimental trends in the future. Open to all students.
- 212-4. ARTICULATORY PROBLEMS AND DELAYED SPEECH. Designed to acquaint the student with articulatory speech defects. Diagnostic and therapeutic techniques stressed. Prerequisite: 200 or concurrent.
- 428-4. SPEECH CORRECTION FOR THE CLASSROOM TEACHER. (Same as Special Education 428.) Etiology and therapy of common speech defects. Open to in-service teachers, seniors, and graduate students in education. Prerequisite: GSD 103.

THEATER

- 121-6 (3,3). PRODUCTION TECHNIQUES. Lectures and practical experiences in stagecraft, lighting, costuming, make-up, property construction and stage movement. May be taken in either sequence. No prerequisite.
- GSC 203-3. DRAMA AND THE ARTS OF THE THEATER.
- 203-4. SCENIC DESIGN. A basic course employing graphic and plastic media,

intended to acquaint students with solutions to the problems encountered by the director, scene designer, costumer, and lighting director.

204-4. ACTING. Theory and practice. Application of modern principles to the performance of various theatrical styles. Prerequisites: GSC 203 and consent of instructor.

306-4. INTRODUCTION TO PLAYWRITING. Analysis of dramatic structure; the study of scriptwriting techniques. The student will be required to write scenes or a short play. Prerequisite: consent of instructor.

310-3. CHILDREN'S THEATER. Creative dramatics; dramatization of children's literature; play production for elementary schools. Recommended for education concentrations.

GSC 354-6 (3,3). HISTORY OF THE THEATER.

402-4. DIRECTING. Selection of plays, casting, and methods of rehearsal. Development of characterization, control of tempo, and similar problems studied. Students to direct or to aid in directing one-act plays and major productions.

439-4. CONTEMPORARY THEATRICAL THEORY AND PRACTICE. The development of modern theatrical production; study of recent ideas in theater architecture, staging and performance. Consideration of the film and television as dramatic media. Prerequisite: 121-3.

Humanities Division

American Studies; Comparative Literature; English Language and Literature; Foreign Languages and Literature; Humanities (Honors Program); Journalism; Philosophy

THE HUMANITIES DIVISION provides instruction in the intellectual disciplines of English and other languages, of literature, and of ideas. The division is concerned with instruction in the reading, writing, and speaking of English and other languages, the development of an understanding and appreciation of literature, and the concomitant recognition of its civilizing values. The division guides advanced students in methods of studying the works, men, and movements that make up literary and intellectual history. All students are encouraged to think and to write rationally, imaginatively, and responsibly as they learn to identify persistent human problems and their classic and current solutions.

FACULTY

Research Professor John Francis McDermott (A.M., Washington University).

FACULTY OF ENGLISH LANGUAGE AND LITERATURE

Professors James C. Austin (Ph.D., Western Reserve), William T. Going (Ed.D., Michigan), Nicholas Joost (Ph.D., North Carolina), Gordon R. Wood (Ph.D., Princeton; *chairman*).

Associate Professors Robert W. Duncan (Ph.D., Cincinnati), Marion A. Taylor (Ph.D., Iowa), W. Bryce Van Syoc (Ph.D., Michigan), Jules Zanger (Ph.D., Washington University).

Assistant Professors John I. Ades (Ph.D., Cincinnati), James D. Allen (Ph.D., Washington), Dale K. Doepke (Ph.D., Washington University), A. Edwin Graham (Ph.D., Princeton), Vernon T. Hornback, Jr. (Ph.D., St. Louis University), Joseph J. Mogan, Jr. (Ph.D., Louisiana State), Robert Murdoch (M.A., Washington University), Stella

P. Revard (Ph.D., Yale), William C. Slattery (Ph.D., Arkansas), Gladys R. Steinman (M.A., Illinois), Myron W. Taylor (Ph.D., Washington University).

Instructor Robert G. Stanley (M.S., Kansas State).

Term Instructors and Lecturers Richard O. Bell, Herman A. Dreifke, Richard L. Hopkins, Richard W. Lee, Garry N. Murphy, Barbara Quinn, Major D. Regain, Bruce V. Roach, Harley L. Sachs, Sanford M. Schmidt.

FACULTY OF FOREIGN LANGUAGES AND LITERATURE

Professor Alfred G. Pellegrino (Ph.D., Montreal; *chairman*).

Associate Professors James Etmekjian (Ph.D., Brown), Paul F. Guenther (Ph.D., North Carolina), Alice M. Pool (Doctora en Letras, Mexico), Raymond J. Spahn (Ph.D., Northwestern).

Assistant Professors Ieva Asmyte (Ph.D., North Carolina), Helen D. Goode (Ph.D., Kansas), Josef E. Ryberg, Jr. (Ph.D., Illinois).

Term Instructors and Lecturers Nelvin W. Heisner, Sonja M. Lind, Michael N. Smith.

FACULTY OF PHILOSOPHICAL STUDIES

Professor Gerald J. T. Runkle (Ph.D., Yale).

Associate Professors Walter R. Goedecke (Ph.D., Chicago), George W. Linden (Ph.D., Illinois; *chairman*), Paul G. Morrison (Ph.D., Chicago).

Assistant Professors Robert Murdoch (M.A., Washington University), W. Winslow Shea (Ph.D., Yale).

DIVISIONAL REQUIREMENTS

A student who plans to concentrate in one of the disciplines of the Humanities Division should work closely with his adviser. An adviser is assigned after a student has accumulated 64 hours and has filed the "Declaration of Concentration" form. Such a student must first present no single grade lower than C (3.0) in General Studies areas C and D. A concentration in the Humanities Division is recognized as completed only with a grade of C or higher in each course.

Candidates for the Bachelor of Arts degree electing a concentration in the Humanities Division must have two years of college-level foreign language. Ordinarily no General Studies requirements may be waived by one electing a concentration in the Humanities Division.

AMERICAN STUDIES

The concentration in American studies consists of 64 quarter hours, of which not less than 24 and not more than 28 will be in any one discipline. Of the 64 hours, 32 are required as follows: American Studies 398-4, English 309-8, History 201-8, Philosophy 381b-4, 381c-4, 386-4. The remaining 32 hours will be selected from approved courses in history, social sciences, literature, philosophy, fine arts, and other subjects. At least two of these courses must be in speech or fine arts. At least two years of a foreign language are required; three are strongly recommended.

COURSE DESCRIPTION

398-4. SEMINAR IN AMERICAN STUDIES. Helps the student to integrate his knowledge of American culture and to undertake scholarship that crosses the boundaries of traditional disciplines. Prerequisite: senior standing.

COMPARATIVE LITERATURE

The secondary concentration in comparative literature is 37 hours, prescribed as follows: 300a,b,c; 310a,b,c; two years of foreign-language study on the college level; Philosophy 360 or any single 300- or 400-level foreign-language course is acceptable as an alternate for any one of the electives in comparative literature (310d, 310e, or 399). Prerequisite for all courses: second-level General Studies requirement.

COURSE DESCRIPTIONS

- 300-12. (4,4,4). SURVEY OF COMPARATIVE LITERATURE. (a) from Homer to Dante. (b) from Rabelais to Racine. (c) from Voltaire to Kafka.
- 310-20 (4,4,4,4,4). COMPARATIVE LITERATURE: GENRES. (a) lyric and epic poetry. (b) drama. (c) prose. (d) tragedy. (e) novel.
- 399-4. TRADITIONAL THEMES OF WORLD LITERATURE. Prerequisites: any course in comparative literature and a course in English, foreign, or comparative literature.

ENGLISH

SUGGESTED CURRICULA

BACHELOR OF ARTS DEGREE

<i>General Studies Requirements</i> (See page 5.)	96
<i>Bachelor of Arts Degree Requirements</i> (See page 7.)	(9)
<i>Humanities Division Requirements</i> (See page 63.)	(9) + 9
<i>English Concentration Requirements</i>	44
English 300, 302-12, 309-8, 365, 499-2	30
English electives numbered above 299 (485, 486, 487 do not count.)	14
<i>Secondary Concentration Requirements</i>	24-27
<i>Electives</i>	16-19
<i>Total</i>	192

The student concentrating in English who intends to teach in secondary school is required to take English 485 in addition to the concentration requirements.

SECONDARY CONCENTRATION

A 24-hour concentration in English consists of the following courses: English 300, 302–12, 309–8.

COURSE DESCRIPTIONS

Students beyond the freshman level who desire additional instruction in understanding and writing the English language should consider either auditing or repeating for credit English Composition (GSD 101a and 101b) or enrolling in English 390 or 391. The student should be guided by the descriptions of these courses and by the advice of the English staff.

The prefix GSC or GSD indicates a General Studies course which involves the discipline of English and which is listed here for convenience. The description of such a course appears in the General Studies bulletin.

Students can proceed to the 300 level only after completing the 200-level requirements.

GSD 101–6 (3,3). ENGLISH COMPOSITION.

GSC 151–3. INTRODUCTION TO POETRY.

GSC 251–9 (3,3,3). LITERARY AND PHILOSOPHICAL MASTERPIECES.

300–4. PRINCIPLES OF ENGLISH GRAMMAR. Required for English students. Others should take 391. Credit not allowed for both courses.

302–12 (4,4,4). ENGLISH LITERATURE. Required for primary and secondary concentration in English. Does not have to be taken in sequence.

309–8 (4,4). AMERICAN LITERATURE. Required for primary and secondary concentration in English. Does not have to be taken in sequence.

320–4. EARLY NINETEENTH-CENTURY POETRY.

GSC 335–3. STUDIES IN SHORT FICTION.

365–4. SHAKESPEARE.

390–3. ADVANCED COMPOSITION. Expository writing.

391–3. USAGE IN SPOKEN AND WRITTEN ENGLISH. The essentials of grammar and the “common decencies.” Prerequisite to student teaching, except in English curricula, which require 300.

392–3. PROFESSIONAL WRITING I. Introductory course for undergraduates. Prerequisite: consent of instructor.

400–4. INTRODUCTION TO ENGLISH LINGUISTICS. An analysis of the structure of modern English, to supplement the student’s traditional approach to grammar with a knowledge of the contemporary structural approach to language. Prerequisite: 300 or 391 or consent of instructor.

403–4. HISTORY OF THE ENGLISH LANGUAGE. Prerequisite: 300 or 391 or consent of instructor.

404–8 (4,4). MIDDLE ENGLISH LITERATURE. (a) contemporaries and successors of Chaucer. (b) Chaucer. Either part may be taken alone.

412–12 (4,4,4). ENGLISH NONDRAMATIC LITERATURE. (a) 16th cen-

- tury. (b) 17th century. (c) 18th century. Any part may be taken alone.
- 417-4. VICTORIAN LITERATURE. Ideas, forms, and personalities in English literature from 1830 to 1900. Prerequisite: 317.
- 420-8 (4,4). AMERICAN POETRY. (a) to 1900. (b) modern. Either part may be taken alone.
- 421-16 (4,4,4,4). ENGLISH POETRY. (a) early romantics. (b) later romantics. (c) Victorian poetry. (d) modern British poetry. Any part may be taken alone.
- 441-4. THE EIGHTEENTH CENTURY ESSAY. Stresses the informal essay. Studies the principal literary periodicals, *The Spectator*, *The Tatler*, *Guardian*, *Rambler*, *Idler*, and Goldsmith's *Citizen of the World* ("Chinese Letters").
- 447-4. AMERICAN HUMOR AND SATIRE. A consideration of the writers and forms of nineteenth and twentieth century humor.
- 454-12 (4,4,4). ENGLISH FICTION. (a) eighteenth-century novel. (b) Victorian novel. (c) contemporary British fiction. Any part may be taken alone.
- 458-8 (4,4). AMERICAN FICTION. (a) the novel. (b) contemporary fiction. Either part may be taken alone.
- 460-16 (4,4,4,4). ENGLISH DRAMA. (a) Elizabethan drama. (b) Jacobean drama. (c) Restoration and eighteenth-century drama. (d) modern British drama. Any part may be taken alone.
- 468-4. AMERICAN DRAMA. The rise of the theater in America, with readings of plays, chiefly modern. Prerequisite: 309-4.
- 471-8 (4,4). SHAKESPEARE. Either part may be taken alone.
- 473-4. MILTON.
- 485-4. PROBLEMS IN THE TEACHING OF ENGLISH. Aims, methods, materials, tests, programs, and other aspects of English instruction in the high school.
- 486-2 to 8. WORKSHOP IN HIGH SCHOOL ENGLISH. Intensive workshop study in lectures, laboratory, conferences on the teaching of English in high school. Curriculum, materials, methods, aims. Directed by competent authorities in the field.
- 487-2 to 8. WORKSHOP IN JUNIOR HIGH SCHOOL ENGLISH. Intensive workshop study in lectures, laboratory, conferences on the teaching of English in junior high school. Curriculum, materials, methods, aims. Directed by competent authorities in the field.
- 492-4. PROFESSIONAL WRITING II. Prerequisites: 392, consent of instructor.
- 495-8 (4,4). LITERARY CRITICISM. (a) history of criticism. (b) modern criticism. Either part may be taken alone.
- 499-2 to 6. READINGS IN ENGLISH. For English concentrations only. Only four hours may be taken in any one quarter. Prerequisite: consent of division.
- 500-2. Materials and Methods of Research in English.
- 501-4. Old English Grammar.
- 502-4. Beowulf.
- 505-36. Studies in English Literature. (a-i)
- 510-8 (4,4). Studies in Shakespeare.
- 515-24. Studies in American Literature. (a-f)
- 520-1 to 9. Review of English and American Literature.

FOREIGN LANGUAGES

SUGGESTED CURRICULA

BACHELOR OF ARTS DEGREE

<i>General Studies Requirements</i> (See page 5.)	96
<i>Bachelor of Arts Degree Requirements</i> (See page 7.)	(9)
<i>Humanities Division Requirements</i> (See page 63.)	(9)
<i>Foreign Languages Concentration Requirements</i>	48
A minimum of 42 hours beyond the 100-level courses, in- cluding the seminar in the field of concentration (French, Spanish, or German).	42
English (one course above 299, related to the concentra- tion)	3
History (one course above 299, related to the concentra- tion)	3
<i>Secondary Concentration Requirement</i>	24-27
<i>Electives</i>	21-24
<i>Total</i>	192

BACHELOR OF SCIENCE IN EDUCATION DEGREE

For this degree in the Education Division, the Foreign Languages Concentration Requirements are 38 hours (exclusive of General Studies courses and elementary education concentration courses) in a language, plus one English and one history course numbered above 299.

SECONDARY CONCENTRATION

A secondary concentration consists of 24 hours (exclusive of General Studies) in a language.

COURSE DESCRIPTIONS

The student who has completed one year of foreign language in high school will usually begin with the first quarter of the first year course. The student who has completed two years of high-school foreign language will usually begin with the intermediate course.

The prefix GSD indicates a General Studies course which involves the discipline of foreign languages and which is listed here for convenience. The description of such a course appears in the General Studies bulletin.

GENERAL FOREIGN LANGUAGE COURSES

- 399-3 to 9. READINGS. Readings in selected works of representative writers. Offered in French, Spanish, and German. May be taken for one, two, or three quarters. Primarily for non-majors, but may be taken for major credit with consent. Prerequisite: 201.
- 435-4 to 8. WORKSHOP IN ELEMENTARY SCHOOL FOREIGN LANGUAGE INSTRUCTION. (Same as Elementary Education 435.) Designed to assist elementary school teachers in integrating foreign languages into their teaching program as well as to encourage high school teachers to introduce or supervise foreign languages at the elementary level. Prerequisite: basic language credit.
- 486-8 (4,4). MATERIALS AND METHODS FOR TEACHING FOREIGN LANGUAGES. Application of language learning principles to classroom procedures at different levels. Theory and practice of the audio-lingual approach, the language lab, applied linguistics. Required for all students intending to teach foreign languages. Prerequisite: one quarter of any 300-level sequence, or consent.

FRENCH COURSES

- GSD 123-9 (3,3,3). ELEMENTARY FRENCH.
- 123-3 (1,1,1). FRENCH CONVERSATION. Conversation and oral drill, taken with GSD 123 by students who wish additional oral training. Elected only by students enrolled in the corresponding beginning sections. Each quarter may be taken separately.
- 201-9 (3,3,3). INTERMEDIATE FRENCH. Development of listening, speaking, reading, and writing skills on the intermediate level, with special attention to the role of French culture in world civilization. Prerequisite: GSD 123 or two years of high school French, or equivalent.
- 220-2 to 6. INTERMEDIATE FRENCH CONVERSATION. Development of oral skill on the intermediate level. Offered for 3 quarters at 2 hours per quarter; may be taken for credit each time. Prerequisite: 201c or concurrent registration in any quarter of 201.
- 301-12 (4,4,4). FRENCH LITERATURE FROM THE 18TH CENTURY TO THE CONTEMPORARY PERIOD. (a) Montesquieu, Voltaire, Diderot, Rousseau, and others, with reference to the social, political, and philosophic environment of the 18th Century. (b) Nineteenth Century Romanticism, Realism, and Naturalism. (c) Representative works of the 20th Century with special emphasis on the novel and drama. Parts may be taken separately. Prerequisite: 201 and one quarter of 220.
- 311-9 (3,3,3). FRENCH CULTURE AND CIVILIZATION. Analysis of significant aspects of French culture designed to improve intercultural understanding and to develop language skills. Oral discussions, readings, written reports, and laboratory practice. Prerequisite: 201 and one quarter of 220. Parts may be taken separately.
- 338-12 (4,4,4). FRENCH LITERATURE FROM THE MIDDLE AGES THROUGH THE 17TH CENTURY. (a) French Literature from *La Chanson de Roland* to Francois Villon with special reference to the social, political, and cultural development of the Middle Ages. (b) Representative works of the Renaissance: Rabelais, Montaigne, Marot, Ronsard,

and others. (c) Corneille, Racine, Moliere, Pascal and other writers of the 17th Century with reference to the political and social environment of the period. Parts may be taken separately. Prerequisite: 201 and one quarter of 220.

- 351-6 (3,3). ADVANCED FRENCH CONVERSATION AND COMPOSITION. (a) Oral work of a practical nature for advanced students. Prerequisite: 201 and one quarter of 220, or consent. (b) Rapid grammar review, daily writing practice, controlled composition. Must be taken in a,b sequence.
- 415-4. FRENCH STYLISTICS. Study of writing style in French and its application to the development of skill in written expression. For those who wish to do advanced work in the principles of French grammar and composition. Prerequisite: 9 hours of 300 level courses.
- 451-6 (2,2,2). FRENCH SEMINAR. Integration of the specialized major courses and the development of a comprehensive view of the major field in terms of its relationship to the growth of Western Civilization. Entire course required of all French senior majors.
- 500-2. Seminar in Contemporary French Literature.
- 501-10. Seminar on a Selected French Author (a-e).
- 544-6. NDEA Institute for Teachers of French: French Language and Culture.
- 545-3. NDEA Institute for Teachers of French: Applied Linguistics and Remedial Phonetics.
- 546-3. NDEA Institute for Teachers of French: Professional Preparation.

GERMAN COURSES

GSD 126-9 (3,3,3). ELEMENTARY GERMAN.

- 126-3 (1,1,1). GERMAN CONVERSATION. Taken with GSD 126 by students who wish additional oral training. Elected only by students enrolled in the corresponding beginning sections. Each quarter may be taken separately.
- 161-0. GERMAN FOR GRADUATE STUDENTS. Intensive study of grammar and vocabulary. Designed for graduate students desiring a reading knowledge of German.
- 201-9 (3,3,3). INTERMEDIATE GERMAN. Development of listening, speaking, reading and writing skills on the intermediate level with special attention to the role of German culture in world civilization. Prerequisite: GSD 126, or two years of high school German, or equivalent. A student who has completed 251 may register for 201b.
- 220-6 (2,2,2). INTERMEDIATE GERMAN CONVERSATION. Development of oral skill on an intermediate level. Prerequisite: German 201c, or concurrent registration in any quarter of 201.
- 251-4. SCIENTIFIC GERMAN. Study of vocabulary and sentence construction as commonly found in German scientific writings. Prerequisite: one year of college German or equivalent.
- 311-9 (3,3,3). GERMAN CULTURE AND CIVILIZATION. Analysis of significant aspects of German culture designed to improve intercultural understanding and to develop language skills. Oral discussions, readings, written reports, and laboratory practice. Each quarter may be taken separately. Prerequisite: 201 and one quarter of 220.
- 313-12 (4,4,4). GERMAN LITERATURE BEFORE ROMANTICISM. (a)

The Old High German and Middle High German periods. (b) From the Ackermann in Bohmen to Johann Christian Gunther. (c) German Literature from 1700 to the death of Schiller. Parts may be taken separately. Prerequisite: 201, 220-2.

- 316-12 (4,4,4). GERMAN LITERATURE FROM ROMANTICISM TO MODERN TIMES. (a) Introduction to the background, personalities and works of the period from 1798 to Heine. (b) The leading 19th Century Realists from Drost-Hulshoff to Fontane including the novel and drama of the period. (c) German literary masterpieces from Naturalism to the present. Parts may be taken separately. Prerequisite: 201, 220-2.
- 351-6 (3,3). ADVANCED GERMAN CONVERSATION AND COMPOSITION. (a) Oral work of a practical nature for advanced students. Prerequisite: 201 and one quarter of 220, or consent. (b) Rapid grammar review, daily writing practice, controlled composition. Must be taken in a,b sequence.
- 401-4 FAUST. Analysis of both parts of Goethe's masterpiece, its background, meaning, and impact on world literature together with a general survey of the life and times of the author. Prerequisite: 201 and one quarter of 220.
- 451-6 (2,2,2). GERMAN SEMINAR. Integration of the specialized major courses and development of a comprehensive view of the major field in terms of its relation to Western Civilization. Entire course required of all senior German majors.

ITALIAN COURSES

GSD 144-9 (3,3,3). ELEMENTARY ITALIAN.

- 144-3 (1,1,1). ITALIAN CONVERSATION. Taken with GSD 144 by students who wish additional oral training; elected only by students enrolled in the corresponding beginning sections. Each quarter may be taken separately.
- 201-9 (3,3,3). INTERMEDIATE ITALIAN. Development of listening, speaking, reading and writing skills on the intermediate level, with special attention to the role of Italian culture in world civilization. Prerequisite: GSD 144, or two years of high school Italian, or equivalent.
- 220-6 (2,2,2). INTERMEDIATE ITALIAN CONVERSATION. Development of oral skill on an intermediate level. Prerequisite: Italian 201c or concurrent registration in any quarter of 201.

RUSSIAN COURSES

GSD 136-9 (3,3,3). ELEMENTARY RUSSIAN.

- 136-3 (1,1,1). RUSSIAN CONVERSATION. Taken with GSD 136 by students who wish additional oral training. Elected only by students enrolled in the corresponding beginning sections. Each quarter may be taken separately.
- 201-9 (3,3,3). INTERMEDIATE RUSSIAN. Development of listening, speaking, reading and writing skills on the intermediate level with special attention to the role of Russian culture in world civilization. Prerequisite: GSD 136, or two years of high school Russian, or equivalent.
- 220-6 (2,2,2). INTERMEDIATE RUSSIAN CONVERSATION. Development of oral skill on an intermediate level. Prerequisite: GSD 136c.

SPANISH COURSES

GSD 140-9 (3,3,3). ELEMENTARY SPANISH.

140-3 (1,1,1). SPANISH CONVERSATION. Taken with GSD 140 by students who wish additional oral training. Elected only by students enrolled in the corresponding beginning sections. Each quarter may be taken separately.

201-9 (3,3,3). INTERMEDIATE SPANISH. Development of listening, speaking, reading and writing skills on the intermediate level, with special attention to the role of Spanish culture in world civilization. Prerequisite: GSD 140 or two years of high school Spanish, or equivalent.

220-6. INTERMEDIATE SPANISH CONVERSATION. Development of oral skill on an intermediate level. Prerequisite: 201c or concurrent registration in any quarter of 201.

301-12 (4,4,4). SPANISH LITERATURE FROM THE MEDIEVAL PERIOD THROUGH ROMANTICISM. (a) Spanish Literature from the 12th to the 15th Century: the epic, *El Cantar del Cid*, ballads, lyric poetry, chronicles and other prose works. (b) Representative works of the 16th and 17th Century: Cervantes, Tirso de Molina, Lope de Vega, and others. (c) Romanticism in Spanish Literature during the 18th and 19th Centuries: Espronceda, Duque de Rivas, Jose Zorilla, and others. Parts may be taken separately. Prerequisite: 201 and one quarter of 220.

304-8 (4,4). MODERN SPANISH LITERATURE. (a) Spanish Literature of the 19th Century as influenced by trends of European thought of the period: Galdos, Bazan, Benavente, and others. (b) Spanish Literature of the 20th Century with emphasis on the novel, essay, and poetry: Unamuno, Ortega y Gasset, Garcia Lorca, and others. Parts may be taken separately. Prerequisite: 201 and one quarter of 220.

306-4. LATIN AMERICAN LITERATURE. Representative writers in Latin-American Literature from the Colonial to the Contemporary period with emphasis on the novel, essay, and poetry. Prerequisite: 201 and one quarter of 220.

311-9 (3,3,3). SPANISH CULTURE AND CIVILIZATION. Analysis of significant aspects of Spanish culture designed to improve intercultural understanding and to develop language skills. Oral discussions, readings, written reports, and laboratory practice. Each quarter may be taken separately. Prerequisite: 201 and one quarter of 220.

351-6 (3,3). ADVANCED SPANISH CONVERSATION AND COMPOSITION. (a) Oral work of a practical nature for advanced students. Prerequisite: 201 and one quarter of 220, or consent. (b) Rapid grammar review, daily writing practice, controlled composition. Must be taken in a,b sequence.

415-4. SPANISH STYLISTICS. Study of writing style in Spanish and its application to the development of skill in written expression. For those who wish to do advanced work in the principles of Spanish grammar and composition. Prerequisite: 9 hours of 300 level courses.

451-6 (2,2,2). SPANISH SEMINAR. Integration of the specialized major courses and development of a comprehensive view of the major field in terms of its relationships to the growth of Western Civilization. Entire course required of all seniors concentrating in Spanish.

HUMANITIES

The prerequisite for the Humanities (Honors) sequence is the completion of the second-level General Studies courses and invitation of the Humanities Honors Program Committee. For further information regarding the Honors program offered by the Humanities Division, refer to Individual Honors Work in the General Information issue of the *Southern Illinois University Bulletin*.

COURSE DESCRIPTION

301-3, 302-3, 303-3. HUMANITIES HONORS.

JOURNALISM

The 24-hour concentration in journalism consists of the following courses: 201-9, 340, English 300, 392, GSC 152, and an elective in journalism.

COURSE DESCRIPTIONS

- 103-3. NEWS. Study of the newspaper story with experience in writing and rewriting news; the fundamentals of copyreading.
- 201-9 (3,3,3). NEWS WRITING AND EDITING. How to cover assignments and write news stories; preparation of copy for publication; writing headlines, laboratory experiences.
- 330-3. EDITORIAL WRITING. The work and responsibility of the editor and editorial writer with emphasis upon editorial writing and thinking. Editorial problems, methods, policies, and style.
- 340-3. THE LAW OF JOURNALISM. Legal limitations and privileges affecting publishing, fair comment, criticism, contempt of court, right of privacy, copyright, and legal provisions affecting advertising.
- 345-3. HISTORY OF JOURNALISM. Development of American journalism with emphasis upon the struggle for freedom of the press, leading editors, outstanding newspapers and periodicals.
- 370-4. PRINCIPLES OF ADVERTISING. Advertising fundamentals in relation to modern business activities; economic and social aspects, research, media, appeals, production, schedules. Prerequisite: GSB 211a.
- 391-3. FEATURE WRITING. Planning and writing newspaper features and special articles.

PHILOSOPHY

SUGGESTED CURRICULUM

BACHELOR OF ARTS DEGREE

<i>General Studies Requirements</i> (See page 5.).....	96
<i>Bachelor of Arts Degree Requirements</i> (See page 7.)	(9)
<i>Humanities Division Requirements</i> (See page 63.)	(9) + 9
<i>Philosophy Concentration Requirements</i>	42
Philosophy 381-12 and 490	14-16
Philosophy electives, including at least one course in each of these categories: epistemology and value theory. GSA (or C) 363-6 and three hours of GSC 360-6 may be counted among these electives	26-28
<i>Secondary Concentration Requirements</i>	24-27
<i>Electives</i>	18-21
<i>Total</i>	192

SECONDARY CONCENTRATION

A secondary concentration consists of 24 hours (exclusive of General Studies), including Philosophy 381-12.

COURSE DESCRIPTIONS

The prefix GSC indicates a General Studies course which involves the discipline of philosophy and which is listed here for convenience. The description of such a course appears in the General Studies bulletin.

GSC 152-3. LOGIC.

200-4. TYPES OF PHILOSOPHY: AN INTRODUCTION. Survey of the traditional branches and problems of philosophy, such as religion, metaphysics, epistemology, ethics, political theory, aesthetics, and history.

240-4. ETHICS. Study of significant ethical theories concerned with such problems as the nature of right and wrong, individual and social values.

300-4. ELEMENTARY METAPHYSICS. Presentation of answers to the most general problems of existence. An attempt to unify all scientific approaches to reality through the laying down of common principles.

301-4. PHILOSOPHY OF RELIGION. An analysis of problems in the psychology, metaphysics, and social effects of religion. Among topics discussed are the nature of mystical experience, the existence of God, and problems of suffering, prayer, and immortality.

302-4. WORLD RELIGIONS. An historical and comparative study of the prin-

cial religions of the world. Particular attention is given to such non-Christian faiths as Hinduism, Buddhism, and Islam.

324-4. SYMBOLIC LOGIC. Use of symbols as tools for analysis and deduction. Study of truth tables, Boolean Expansions, propositional calculus and quantifiers, logic of relations, and their functions in logistic systems.

342-4. SOCIAL AND POLITICAL THEORY. Philosophical analysis of social values and their expression in governmental organization.

355-4. PHILOSOPHY OF EDUCATION. Survey of theories of education and their relationships to educational policies and practices, as elucidated by the great teachers. Satisfies the education requirement, Education 355.

360-4. PHILOSOPHY OF ART. The significance of art as a human activity, its nature and standards as seen in the problems of criticism, and the relation of art to other forms of knowledge.

GSC 360-6 (3,3). ARTS AND IDEALS IN FAMOUS CITIES.

GSC or GSA 363-6 (3,3). PHILOSOPHY OF SCIENCE.

381-12 (4,4,4). HISTORY OF WESTERN PHILOSOPHY. (a) Greek and early Christian. (b) Medieval and early Modern. (c) Recent. Any part may be taken alone.

386-4. AMERICAN PHILOSOPHY. A survey of American philosophic thought from colonial days to the present, with emphasis on such recent thinkers as Pierce, James, Royce, Dewey, and Santayana. Prerequisites: 381b,c.

443-4. PHILOSOPHY OF HISTORY. Classical and contemporary reflection on the nature of history and historical knowledge.

484-12 (4,4,4). HISTORY OF WESTERN POLITICAL THEORY. (Same as Government 484.) (a) Ancient and Medieval. (b) Renaissance and Rationalist. (c) Contemporary. Any part may be taken alone.

487-4. AMERICAN POLITICAL IDEAS. An historical study of the political ideas of leading American statesmen and publicists, and their resulting influence upon our government system.

490-2 to 12. SPECIAL PROBLEMS. Hours and credits to be arranged. Courses for qualified seniors and graduates who need to pursue certain topics further than regularly titled courses permit. Special topics announced from time to time. Students are invited to suggest topics for individual study and papers or for group study. Consent of instructor in all cases required.

Science and Technology Division

Applied Science; Biology; Botany; Chemistry; Mathematics; Physics and Astronomy; Physiology; Science and Technology; Zoology

THE SCIENCE AND TECHNOLOGY DIVISION offers a program designed to expand the student's knowledge and understanding of mathematics, basic scientific principles, and engineering applications. Every effort is made to stimulate the student's curiosity and implement his creativeness, thus enabling him to lead a more productive life and be a more useful member of the academic, industrial, or business community.

FACULTY OF APPLIED SCIENCE

Professor Kermit G. Clemans (Ph.D., Oregon; *interim chairman*).

Associate Professor Myron C. Bishop (M.A., Ohio State).

Assistant Professors Orville Goering (Ph.D., Iowa State), Robert B. Rutledge III (Ph.D., St. Louis).

Term Instructors and Lecturers George R. Shelton, Danny H. Sokolowski.

FACULTY OF BIOLOGICAL SCIENCES AND TECHNOLOGY

Associate Professors Harold E. Broadbooks (Ph.D., Michigan), Harry D. Brown (Ph.D., Columbia), Donal G. Myer (Ph.D., Ohio State; *chairman*).

Assistant Professors Ralph W. Axtell (Ph.D., Texas), Joseph S. Davis (Ph.D., Iowa) (on leave 1964-65), Justin N. Frost (Ph.D., California), Walter M. Hewitson (Ph.D., Washington University), Kermit O. Ratzlaff (Ph.D., California), David P. Wooldridge (Ph.D., Indiana).

FACULTY OF MATHEMATICAL STUDIES

Professors Kermit G. Clemans (Ph.D., Oregon), Andrew O. Lindstrum (Ph.D., Illinois), Robert N. Pendergrass (Ph.D., Virginia Poly. Inst.; *chairman*), Eric A. Sturley (Ed.D., Columbia).

Associate Professors William C. Bennewitz (Ph.D., Illinois), Clellie C. Oursler (Ph.D., Illinois Inst. of Tech.).

Assistant Professors Florence A. Fanning (M.A., Illinois), Orville Goering (Ph.D., Iowa State), Ray Gwillim (M.S., Illinois), Deborah T. Haimo (Ph.D., Harvard) (on leave 1964-65), Robert B. Rutledge III (Ph.D., St. Louis), Lloyd K. Williams (Ph.D., California).

Instructors Donald Q. Harris (M.A., Missouri), Lyman S. Holden (M.A., Ohio State), Paul H. Phillips (M.S., Southern Illinois) (on leave 1964-65).

Term Instructors and Lecturers Jane Broadbooks, Larry L. English, Rodney W. Forcade, Don LaRoy Rogier, Youn Yi Wang.

FACULTY OF PHYSICAL SCIENCES AND TECHNOLOGY

Professors Mohamed Abdul Hakeem (Ph.D., Louisiana State), William C. Shaw (Ph.D., Iowa State).

Associate Professors Marinus P. Bardolph (Ph.D., Iowa), Ferdinand H. Firsching (Ph.D., Syracuse), Laurence R. McAneny (Ph.D., Kansas), William J. Probst (Ph.D., Iowa), David G. Rands (Ph.D., Iowa), J. Edmund White (Ph.D., Indiana; *chairman*).

Assistant Professors Richard R. Boedeker (Ph.D., St. Louis), Shu Hsiung Chang (Ph.D., Cincinnati), Ivan S. Cliff (Ph.D., Mass. Inst. of Tech.), Irwin H. Parrill (Ph.D., Iowa), Lionel K. Walford (Ph.D., Cambridge).

Instructor Frederick W. Zurheide (M.S., Southern Illinois) (on leave 1964-65).

Term Instructors and Lecturers Danny H. Sokolowski, Robert D. Stallard, Lester I. Zimmerman.

DIVISIONAL REQUIREMENTS

Candidates for the Bachelor of Arts degree concentrating in any of the disciplines in the Science and Technology Division must meet the following requirements:

1. At least 48 hours of credit in one area of concentration with the grade of C or higher in each course in the area (Specific courses, to be included in a particular concentration, are listed in the curriculum.);
2. At least 9 hours of credit in the area of concentration in courses numbered above 299 must be earned at Southern Illinois University within the two years preceding the completion of requirements for the degree.

Upon the completion of 64 hours of college credit, each student in the division must file a tentative program with his adviser in the division.

If a candidate for the Bachelor of Science in Education degree selects an area of concentration which is in the Science and Technology Division, then he must have at least 48 (or 36 if he also has two 27-hour concentrations in other areas) hours in that area with the grade of C or higher in each course.

A secondary concentration for a student in the Science and Technology Division must include at least 27 hours of credit with a grade of C or higher. Specific requirements, if any, are listed under the heading *Secondary Concentration* in the particular discipline.

APPLIED SCIENCE

At the present time, courses in applied science and engineering on the Edwardsville Campus are limited to minimum requirements for a pre-engineering program.

COURSE DESCRIPTIONS

- 101-9 (3,3,3). GRAPHICS. (a) Basic principles of graphic communications. Pictorial projection, sections and conventions, dimensioning, auxiliary views, freehand lettering, and sketching. (b) Graphical solution of problems involving the understanding of the space relationships of points, lines, and planes; intersections and developments. (c) Auxiliary views, threads and fasteners, dimensioning. Laboratory. Must be taken in a,b,c sequence. No prerequisite.
- 260-9 (3,3,3). ANALYTICAL MECHANICS. (a) Resultants of force systems, algebraic and graphical conditions of equilibrium of force systems; analysis of forces acting on members of trusses, forces due to friction; centroids. (b) Displacement, velocity, and acceleration of a particle; translation, rotation; plane motion. (c) Solutions using the principles of force, mass and accelerations, work and energy, and impulse and momentum. Must be taken in a,b,c sequence. Prerequisite: Physics 211a, Math 150b or concurrent enrollment.
- 263-12 (4,4,4). SURVEYING. (a) The use and care of surveying instruments. Fundamental principles of surveying, computations, land surveying, topographic surveying data processing. (b) Field astronomy, route surveying, introduction to photogrammetry, hydrographic surveying, and subsurface surveys. (c) Precise surveying, geodesy, altimetry, analysis of errors and error propagation, measurements conditioned and adjusted by method of least squares and other methods. Laboratory. Must be taken in a,b,c sequence. Prerequisites: GSD 114c or Math 111b.
- 300-9 (3,3,3). THERMODYNAMICS. (a) The study of fundamental energy concepts and the laws of thermodynamics, availability of energy, properties of gases, vapors and gas-vapor mixtures, flow and non-flow processes. (b) Engine cycles and applications to internal combustion engines, gas turbines, steam turbines, jet devices, air compressors, and air engines. Combustion refrigeration and air conditioning. Heat transfer principles. (c) Axiomatic thermodynamics, criteria for equilibrium; absolute temperature; Maxwell's relations; open systems; the phase rule; systems of one and two components; idealized systems; equations of state; systems involving chemical and electrochemical equilibrium. Must be taken in a,b,c sequence. Prerequisite: Math 150b, Physics 211b.

BIOLOGY

Students planning to concentrate in biology should consult with either a botany or zoology representative.

SUGGESTED CURRICULA

BACHELOR OF ARTS DEGREE

General Studies Requirements (See page 5.)..... 87

<i>Bachelor of Arts Degree Requirements</i> (See page 7.)	(9)
<i>Science and Technology Division Requirements</i> (See page 76.)	(48)
<i>Biology Concentration Requirements</i>	69
General Studies Area A 201a	(3)
Botany 101, 202	10
Botany 225 or 320 or Physiology 209	5
Electives in Botany, Physiology, and Zoology	13
Chemistry 111-15	15
Physics (GSA 101a,b may be used for credit)	6
Zoology 102, 103, 310, and 401	20
<i>Secondary Concentration Requirement</i> (not in botany or zoology)....	27
<i>Electives</i>	9
Recommended: organic chemistry, one additional quarter of physics, and three of mathematics.	
<i>Total</i>	192

BACHELOR OF SCIENCE IN EDUCATION DEGREE

For this degree, the Biology Concentration Requirements are as listed above under the Bachelor of Arts Degree. Refer also to Secondary Education.

SECONDARY CONCENTRATION

The minimum biology secondary concentration is 27 hours including GSA 201-9 and electives in botany, physiology, and zoology.

BOTANY

Students considering a botany concentration are urged to consult with botany faculty representatives.

SUGGESTED CURRICULA

BACHELOR OF ARTS DEGREE

<i>General Studies Requirements</i> (See page 5.).....	87
<i>Bachelor of Arts Degree Requirements</i> (See page 7.)	(9)
<i>Science and Technology Division Requirements</i> (See page 76.)	(48)
<i>Botany Concentration Requirements</i>	69
General Studies Area A 201a,b	(6)
Botany 101, 202, 203, 310, and 320	25
Electives above 300 in botany	23

Chemistry 111-15	15
Physics (GSA 101a,b may be used for credit)	6
German or Russian is recommended as the language.	
<i>Secondary Concentration Requirement</i> (not in biology)	27
<i>Electives</i>	9
Recommended: organic chemistry, one additional quarter of physics, and three of mathematics.	
<i>Total</i>	192

BACHELOR OF SCIENCE IN EDUCATION DEGREE

For this degree in the Education Division, the Botany Concentration Requirements are as listed above, under the Bachelor of Arts degree.

SECONDARY CONCENTRATION

The minimum botany concentration is 27 hours, including 101, 202, 310, and botany electives.

COURSE DESCRIPTIONS

The prefix GSA indicates a General Studies course which involves the discipline of botany and which is listed here for convenience. The description of such a course appears in the General Studies bulletin.

101-5. GENERAL BOTANY. An introductory study of the morphology, anatomy, and physiology of the seed plants including vegetative and sexual reproduction. Field Studies. Three lecture and four laboratory hours per week.

131-5. FIELD BIOLOGY. A course in methods of identification of various plants and animals and location of source material suitable for teaching nature study. Primarily for those planning to teach in primary and rural schools. Five Saturday field trips and laboratory studies. Approximate cost: \$5.

GSA 201a,c-6. MAN'S BIOLOGICAL INHERITANCE.

202-5. GENERAL BOTANY. A study of representative plants of the major plant groups; classification; evolution of the plant kingdom. Three lecture and four laboratory hours per week, and one all-day (required) field trip. Cost: about \$5.

203-5. TAXONOMY OF LOCAL SEED PLANTS. A study of the principles of classification and the use of manuals, with reference to local ferns and flowering plants. Three lecture and four laboratory hours per week. Cost: about \$5. Prerequisite: 101 or 202.

225-5. CELLULAR PHYSIOLOGY. A discussion with laboratory illustration of basic physiological processes. Generally, plant materials will be used in the laboratory. Three lecture and four laboratory hours per week. Prerequisite: 101, organic chemistry.

- 310-5. PLANT ANATOMY. An introduction to cell division, development, and maturation of the structures of the vascular plants. Three lecture and four laboratory hours per week. Prerequisite: 101, 202.
- 311-5. GENERAL BACTERIOLOGY. An advanced treatment of cytology, theories and techniques of staining, physiology, enrichment cultures, and classification of microorganisms and their agricultural, industrial, and medical relationships. 3 hours lecture, 4 hours laboratory. Prerequisite: one course in biological science and organic chemistry.
- 315-3. PLANT GENETICS. A general course involving principles of evolution and heredity. Prerequisite: 101 or 202 or GSA 201a or consent of instructor.
- 320-5. ELEMENTS OF PLANT PHYSIOLOGY. A study of the functions of plants and their relation to the various organs. Three lecture and four laboratory hours per week. Prerequisite: 101, 202.
- 321-3. ELEMENTARY BOTANICAL MICROTECHNIQUE. Methods of preservation and preparation of plant materials for examination by the light microscope. One lecture and four laboratory hours per week. Prerequisite: consent of instructor.
- 325-5. METABOLISM. Intermediary metabolism of plants and animals with emphasis upon the newer knowledge. Laboratory organization will be adapted to the student's area of concentration (physiology, agriculture, medicine, etc.). Three lecture and four laboratory hours per week. Prerequisite: 101, organic chemistry.
- 350-4. PLANTS IN RELATION TO MAN. A study of the basic relationships of plants to man; the history, geography, crop ecology, production, consumption, and uses of plants and plant products of economic importance.
- 390-2 to 4. READINGS IN BOTANY. A course of individually assigned readings in classical botanical literature; both oral and written reports required; open only to undergraduate students. Prerequisites: concentration in botany, consent of instructor.
- 391-2 to 5. SPECIAL PROBLEMS IN BOTANY. Individual laboratory or field work under supervised direction. Both written and oral discussions required; open only to undergraduate students. Prerequisite: concentration in botany, consent of division.
- 403-3. HISTORY AND PRINCIPLES OF PLANT TAXONOMY. Important concepts in plant classification through the ages, and study of the International Code of Botanical Nomenclature. Consideration of the functions of genetics, evolution, morphogenesis, and ecology in taxonomy. Prerequisite: 203 or consent of instructor. May be repeated.
- 404-5. THE ALGAE. A study of the structure, development, and relationships of the algae. Three lecture and four laboratory hours per week. Prerequisite: 101, 202.
- 405-5. THE FUNGI. A study of the structure, development, and relationships of the fungi. Problems of economic and scientific interest stressed. Three lecture and four laboratory hours per week. Prerequisite: 101, 202.
- 413-5. COMPARATIVE MORPHOLOGY OF VASCULAR PLANTS. Comparative studies of representative groups of vascular plants, including origin, structure, developmental tendencies, embryology, and fossil evidence. Three lecture and four laboratory hours per week. Prerequisite: 101, 202.
- 526-5. Cytogenetics.

CHEMISTRY

Anyone considering a concentration in chemistry is urged to consult with a representative of the chemistry faculty.

SUGGESTED CURRICULA

BACHELOR OF ARTS DEGREE

<i>General Studies Requirements</i> (See page 5.)	87
<i>Bachelor of Arts Degree Requirements</i> (See page 7.)	(9)
<i>Science and Technology Division Requirements</i> (See page 76.)	(48)
<i>Chemistry Concentration Requirements</i>	95-111
Chemistry 111-15; 336-8; 336c-4 or 490-2; 341-14; 375-3; 461-12	54-56
Students who desire to qualify as professional chemists should add 10 hours from 311, 396, 412, 432, 446	0-10
Mathematics 111-10, 150-8, 252-8	26
Physics 211-15	15
German or Russian is recommended as the language	
For professional chemists: one additional physics course	0-4
<i>Secondary Concentration Requirements</i>	(27)
<i>Electives</i>	0-10
<i>Total</i>	192-198

BACHELOR OF SCIENCE IN EDUCATION DEGREE

For this degree in the Education Division, a 37-hour concentration for students who also have two secondary concentrations must include Chemistry 111-15, 336-8, 341-9, 460. German or Russian is recommended as the foreign language. Candidates with only one secondary concentration must take 11 additional hours including 341c.

SECONDARY CONCENTRATION

A secondary concentration in chemistry includes 111-15 and at least 12 quarter hours in courses chosen from 336, 341.

COURSE DESCRIPTIONS

The prefix GSA indicates a General Studies course which involves the discipline of chemistry and which is listed here for convenience. The description of such a course appears in the General Studies bulletin.

GSA 101c-3. INTRODUCTION TO PHYSICAL SCIENCE.

- 110-4. GENERAL AND INORGANIC CHEMISTRY. A brief introduction to the structure of the atom and chemical bonding; acids, bases, salts, and pH; and a study of the properties and reactions of some of the more common elements. 3 lecture and 3 laboratory hours per week. Not applicable to a concentration or to a secondary concentration in chemistry. No prerequisite.
- 111-15 (5,5,5). CHEMICAL PRINCIPLES AND INORGANIC CHEMISTRY. (a,b) general chemical principles and inorganic chemistry, three lecture, one quiz, and three laboratory hours per week, (c) theory of qualitative identification of the cations, three lecture and six laboratory hours per week. Must be taken in a,b,c sequence. Prerequisite: high school algebra and geometry or equivalent.
- 240-4. ORGANIC CHEMISTRY. A survey course not open to those concentrating in chemistry. An introduction to aliphatic and aromatic compounds with emphasis on those of biological importance. Three lecture and three laboratory hours per week. Prerequisite: 110 or GSA 101c.
- 311-3. INTERMEDIATE INORGANIC CHEMISTRY. Modern inorganic chemistry involving atomic structure, chemical bonds, complexes and chelate structures, and chemistry of familiar and less familiar elements. Three lecture hours per week. Prerequisite: 27 hours of chemistry.
- 336-12 (4,4,4). ANALYTICAL CHEMISTRY. Theories and methods of qualitative detection of ions and volumetric and gravimetric quantitative analysis are treated as an integrated subject. Emphasis on ionization, equilibrium, and solubility theories. Two lecture and six laboratory hours per week. Prerequisite: 111c. Must be taken in a,b,c sequence.
- 341-14 (4,5,5). ORGANIC CHEMISTRY. (a) structure, general theories or organic reactions, aliphatic and aromatic hydrocarbons, (b) synthesis and properties of various classes of organic compounds, (c) stereochemistry, natural products, dyes. Three lectures per week. One three-hour laboratory per week in (a); two three-hour laboratories per week in (b) and (c). Prerequisite: 111-15. Must be taken in a,b,c sequence.
- 375-0 to 3. CHEMISTRY SEMINAR. One lecture hour per week. Prerequisite: senior standing.
- 396-2 to 6. SENIOR RESEARCH. Investigation of a chemical problem and preparation of a thesis under the direction of a staff member. Prerequisite: senior, concentrating in chemistry, 4.0 average in chemistry, and consent of faculty.
- 412-3. INORGANIC PREPARATIONS. A study of several important types of inorganic syntheses. One lecture and six laboratory hours per week. Prerequisite: 336b, 341c.
- 432-4. INSTRUMENTAL ANALYTICAL TECHNIQUES. Theory and practice of common instrumental analytical measurements. Two lecture and six laboratory hours per week. Prerequisite: 336b, 461a.
- 446-4. QUALITATIVE ORGANIC CHEMISTRY. Separation and identification of organic compounds by classical methods. Two lecture and six laboratory hours per week. Prerequisite: 341c.
- 451-8 (4,4). BIOCHEMISTRY. (a) Carbohydrates, fats and related substances, proteins and amino acids, enzymes, digestion, absorption, and detoxication. (b) The blood and lymph; acid-base regulation; metabo-

lism of carbohydrates, lipids, and proteins; urine; calorimetry and energy metabolism; nutrition and vitamins; and hormones. Analysis of blood and urine. Three lecture and three laboratory hours per week. Must be taken in a,b sequence. Prerequisites: 235 or 336b, and 341c.

460-5. THEORETICAL CHEMISTRY. A one-quarter course on the traditional aspects of physical chemistry without the requirement of calculus. Four lecture and three laboratory hours per week. Prerequisites: 336b, 341b, and one year of physics or consent of instructor.

461-12 (4,4,4). PHYSICAL CHEMISTRY. Three lecture and three laboratory hours per week. Must be taken in a,b,c sequence. Prerequisite: 336b, 341c, Math 252b, Physics 211c.

490-2. CHEMICAL LITERATURE. A study of the various sources of chemical information and the techniques for searching the literature. Two lecture hours per week. Prerequisite: 336b, 341c, reading knowledge of German or Russian or consent of instructor.

496-2 to 4. CHEMICAL PROBLEMS. Investigation of problems under the direction of a staff member. Prerequisite: senior, concentrating in chemistry with 4.0 average, and consent of faculty.

MATHEMATICS

Anyone considering a concentration in mathematics is urged to consult with a representative of the mathematics faculty.

SUGGESTED CURRICULA

BACHELOR OF ARTS DEGREE

<i>General Studies Requirements</i> (See page 5.)	87
<i>Bachelor of Arts Degree Requirements</i> (See page 7.)	(9)
<i>Science and Technology Division Requirements</i> (See page 76.)	(48)
<i>Mathematics Concentration Requirements</i>	55-74
Mathematics background for entering 300	16-35
Mathematics 300, 320-6	10
Mathematics 452-6 or 480-7 or two geometry courses above 299	6-8
Mathematics (additional courses above 299 to total 24 hours)	8-6
Physics 211-15	15
Recommended: French, German, or Russian	
Recommended for prospective secondary teachers: 311	(3)
<i>Secondary Concentration Requirements</i>	27
<i>Electives</i>	4-23
<i>Total</i>	192

BACHELOR OF SCIENCE IN EDUCATION DEGREE

For this degree in the Education Division, a student with one secondary concentration has the Mathematics Concentration Requirements listed above, including 311 but exclusive of Physics 211b,c, and totaling 48 hours or its equivalent. A student with two secondary concentrations must have 36 hours in approved mathematics courses, including 300, 311, 320a. Physics 211a is required. French, German, or Russian is recommended as the language.

SECONDARY CONCENTRATION

A secondary concentration in mathematics includes courses through 150b and at least 9 hours selected from courses above 250. Courses 300 and 320 are recommended for prospective teachers.

COURSE DESCRIPTIONS

Students who have taken college preparatory mathematics and who rank high on the mathematics placement examination should normally enroll in 150 as their first college course in mathematics. Students with less preparation who plan to concentrate in a discipline of the Science and Technology Division should enroll in 111b, 111a, or 100 as advised by a representative of the mathematics faculty.

The prefix GSD indicates a General Studies course which involves the discipline of mathematics and which is listed here for convenience. The description of such a course appears in the General Studies bulletin.

100-0. ELEMENTARY MATHEMATICS. Remedial and review work in elementary mathematics, including arithmetic and beginning algebra. No prerequisite.

111-10 (5,5). ELEMENTARY ANALYSIS. Beginning course for students in mathematics, pre-engineering, etc., who cannot qualify for 150. Includes: (a) Sets, logic, real number system, and college algebra; (b) Functions and trigonometry. Must be taken in a,b sequence. Part (a) may not be taken for credit after GSD 114 a,b. Part (b) may not be taken for credit after GSD 114c. Prerequisite: (a) three semesters of high school algebra and satisfactory A.C.T. score. (b) Part a; GSD 114a,b; or advanced standing.

GSD 112-9 (3,3,3). INTRODUCTION TO MATHEMATICS.

GSD 114-9 (3,3,3). COLLEGE ALGEBRA AND TRIGONOMETRY.

GSD 114d-3. STATISTICS.

150-8 (4,4). ELEMENTARY CALCULUS AND ANALYTIC GEOMETRY. Beginning course for students in mathematics, pre-engineering, etc. Includes topics selected from analytic geometry, elementary differential calculus, and elementary integral calculus. Must be taken in a,b sequence. Prerequisites: College preparatory mathematics in high school and high score on placement exam or 111b or GSD 114c.

- 225-4. PROGRAMMING FOR DIGITAL COMPUTERS. An intensive course in digital computer programming. Topics include computer organization and characteristics, machine language coding, flow charts, sub-routine, symbolic coding, and compiler systems. Equipment of the University's Data Processing and Computing Center is used for applications. Prerequisites: 111a or GSD 114b.
- 252-8 (4,4). CALCULUS AND ANALYTIC GEOMETRY. Continuation of 150. Includes differential and integral calculus, applications, introduction to solid analytic geometry, infinite series. Must be taken in a,b sequence. Prerequisite: 150b.
- 300-4. THE REAL NUMBER SYSTEM. An axiomatic study of the real number system by use of modern logic and elementary set theory. Prerequisite: 150b.
- 305-6 (3,3). APPLIED MATHEMATICS FOR THE PHYSICAL SCIENCES.
(a) Ordinary differential equations, linear algebra, and applications.
(b) Additional topics in applied mathematics such as finite difference methods, Laplace transforms, and Fourier series. Must be taken in a,b sequence. Prerequisites: 252b or concurrent enrollment and Physics 211c.
- 310-4. THE TEACHING OF ELEMENTARY MATHEMATICS. A professional treatment of the subject matter of arithmetic methods and a study of trends and current literature on the teaching of arithmetic. For elementary education concentration only. Prerequisite: GSD 112-9.
- 311-3. THE TEACHING OF SECONDARY MATHEMATICS. A study of the nature and objectives of the secondary mathematics curriculum. Particular attention is given to the means of introducing new ideas into the high school program. For students preparing to be certified teachers of secondary mathematics. Prerequisite: 320b, Secondary Education 315.
- 320-6 (3,3). FUNDAMENTAL CONCEPTS OF ALGEBRA. A two-quarter sequence course introducing abstract algebraic structures, including groups, rings, and fields. Attention is given to classical theory of numbers and polynomials. Sequence must be taken in a,b order. Prerequisite: 300.
- 324-3. VECTOR ANALYSIS. Prerequisites: 252b; Physics 211a.
- 335-6 (3,3). CONCEPTS OF GEOMETRY. An elementary introduction to various geometric systems to acquaint the student with the interrelationship between geometries of current interest. Topics include axiom systems, introduction to synthetic projective and analytic projective geometry, projective definition of coordinate systems, affine geometry, Euclidean geometry, and non-Euclidean geometry. Must be taken in a,b sequence. Prerequisite: 300 or concurrent enrollment.
- 395-2 to 8. READING IN MATHEMATICS. Supervised reading in selected subjects. Prerequisite: 12 hours of 300- or 400-level mathematics, 4.0 average in mathematics, and consent of division.
- 400-3. HISTORY OF MATHEMATICS. Prerequisite: 150b.
- 407-3. INTRODUCTION TO PARTIAL DIFFERENTIAL EQUATIONS. A continuation of 305. Topics in applied mathematics including linear partial differential equations, Bessel functions, and vector analysis. Prerequisite: 305b.
- 410-16 (4,4,4,4). STATISTICAL ANALYSIS. Statistics for students in fields using statistical methods but who are not required to take calculus. Includes (a) elements of probability, estimation, and testing hypotheses;

- (*b*) the general linear model (multiple linear regression, analysis of variance, analysis of covariance) and nonparametric statistics; (*c*) design of experiments; (*d*) sample survey techniques. May not be used to satisfy requirements for a mathematics concentration. Three lectures and two laboratory hours per week. Must be taken in a,b,c,d or a,b,d,c sequence. Prerequisites: 111a or GSD 114a,b.
- 413-4. **SOLID ANALYTIC GEOMETRY.** An algebraic study of equations of the first and second degree in three variables, with applications to geometry. Systems of planes, equations of lines in symmetric and parametric form. Spheres, cylinders, surfaces of revolution. Matrix algebra; real orthogonal and symmetric matrices. Coordinate transformations; orthogonal similarity. Quadratic forms and quadric surfaces; invariants; principal axes and planes. Prerequisite: 252b.
- 415-4. **NON-EUCLIDEAN GEOMETRY.** An introduction to hyperbolic and elliptic plane geometry and trigonometry. Emphasis given to the nature and significance of geometry and the historical background of non-Euclidean geometry. Prerequisite: 252a.
- 421-6 (3,3). **LINEAR ALGEBRA.** The theory of determinants and systems of linear equations; vector spaces, linear independence, basis, dimension; linear transformations, change of base, similarity; quadratic and Hermitian forms, orthogonal and unitary transformations; triangular and diagonal form; eigenvalues and eigenvectors; normal matrices; nilpotent and idempotent matrices, the spectral theorem. Must be taken in a,b sequence. Prerequisite: 252b.
- 425-3. **THEORY OF NUMBERS.** Topics in elementary number theory, including properties of integers and prime numbers, divisibility, Diophantine equations, and congruence of numbers. Prerequisite: 320a.
- 430-4. **PROJECTIVE GEOMETRY.** Introduction to the fundamental concepts of projective geometry, including study of conics and polar systems of conics. Prerequisite: 320a.
- 433-3. **THEORY OF POINT SETS.** General properties of sets; topology of plane sets, closed sets, and open sets in metric spaces, homeomorphisms and continuous mappings, connectedness. Prerequisite: 300.
- 440-2 to 4. **MODERN ALGEBRA FOR TEACHERS.** An introduction to algebra as a logical system, including groups, rings, and fields (for secondary school teachers). Prerequisite: consent of instructor.
- 442-2 to 4. **SURVEY OF GEOMETRY.** A survey of geometry, including projective geometry, topology, etc., for secondary school teachers. Prerequisite: consent of instructor.
- 446-4. **THE STRUCTURE OF ELEMENTARY SCHOOL MATHEMATICS.** A course to assist experienced elementary school teachers in extending their understanding of mathematics. This course may not be taken for credit after credit has been received for 447 and does not count for credit toward a mathematics concentration. Prerequisite: experience in elementary teaching and consent of instructor.
- 447-4. **THE STRUCTURE OF SECONDARY SCHOOL MATHEMATICS.** A course to assist experienced secondary school teachers in extending their understanding of mathematics. This course may not be taken for credit after credit has been received for 446 and does not count toward a mathematics concentration. Prerequisite: experience in secondary teaching and consent of instructor.

- 452-9 (3,3,3). ADVANCED CALCULUS. Limits, continuity, differentiation, and integration. Major topics include partial differentiation, vector analysis, Riemann-Stieltjes integrals, multiple integrals, infinite series, improper integrals, uniform convergence, Fourier series, and line and surface integrals. Must be taken in a,b,c sequence. Prerequisite: 252b, 300, or concurrent enrollment.
- 456-6 (3,3). APPLIED MATHEMATICS FOR THE BEHAVIOR SCIENCES. Introduces students in the behavior sciences to general mathematical procedures as an aid to analyzing the structures of their study and to particular techniques that are in current use. Sets and propositional logic, partitioning and combinatorial analysis, probability theory, linear algebra, linear programming and game theory, difference equations. Must be taken in a,b sequence. Prerequisite: 150b.
- 460-4. MODERN GEOMETRY. Advanced topics in Euclidean geometry by the synthetic method. Topics including the nine-point circle, Simson line, theorems of Ceva and Menelaus, coaxal circles, harmonic section, poles and polars, similitude, and inversion. Prerequisite: 300.
- 475-9 (3,3,3). NUMERICAL ANALYSIS. An introduction to approximation methods including finite differences and interpolation, numerical differentiation and quadrature, least squares approximation, numerical solution of linear and non-linear systems, numerical integration of systems of ordinary and partial differential equations. Emphasis upon error analysis throughout. Must be taken in a,b,c sequence. Prerequisite: 305a or 252b and consent of instructor.
- 480-10 (4,3,3). PROBABILITY. An introduction to probability theory which includes such topics as the algebra of probabilities, discrete and continuous distributions, limit theorems, generating functions, and some elements of stochastic processes. Must be taken in a,b,c sequence. Prerequisite: 252b.
- 483-4. STATISTICAL INFERENCE. A mathematical introduction to statistical methods. Sampling distributions, estimation tests of hypotheses, and regression analysis. Prerequisite: 480a.
- 484-4. DESIGN OF EXPERIMENTS. A study of the mathematical and practical considerations involved in the statistical design and analysis of experiments. Consideration is given to the common experimental designs and such topics as missing plots, experimental constraints, efficiency of method, and separation of degrees of freedom. Prerequisite: 483.
- 501-9 (3,3,3). Real Variables.
- 510-4. Foundations of Mathematics.
- 520-8 (4,4). Modern Algebra.
- 530-3 to 6. Point Set Topology.
- 541-2 to 4. Sets and Probability.
- 542-2 to 4. Elementary Functions from an Advanced Standpoint.
- 544-2 to 4. Fundamental Concepts of Calculus.
- 550-1 to 10. Seminar.
- 555-6 (3,3). Complex Variables.
- 595-1 to 10. Special Project.

PHYSICS AND ASTRONOMY

Students desiring concentration in physics are urged to consult with the physics faculty representatives.

SUGGESTED CURRICULA

BACHELOR OF ARTS DEGREE

<i>General Studies Requirements</i> (See page 5.)	87
<i>Bachelor of Arts Degree Requirements</i> (See page 7.)	(9)
<i>Science and Technology Division Requirements</i> (See page 76.)	(48)
<i>Physics Concentration Requirements</i>	72-98
Physics 211-15, 300, 301-8	28
Physics electives, including 4 hours lab, to complete 48 hours	20
Mathematics, 9 hours beyond 252b	9-35
Chemistry 111-15	15
German or Russian is recommended.	
<i>Secondary Concentration Requirements</i>	(27)
<i>Electives</i>	7-33
<i>Total</i>	192

BACHELOR OF SCIENCE IN EDUCATION DEGREE

For this degree in the Education Division, the Physics Concentration Requirements are as listed above, under Bachelor of Arts Degree, except that 6 hours in the history and philosophy of science may be counted toward the physics electives.

A physics concentration for a student with two secondary concentrations must include Physics 211-15, 300, 301-8, 8 additional hours in physics courses above 299, Chemistry 111-15, Mathematics 252-8. German or Russian is recommended as the foreign language.

SECONDARY CONCENTRATION

A secondary concentration in physics includes 211-15, 300, and electives to total 27 hours.

COURSE DESCRIPTIONS

The prefix GSA indicates a General Studies course which involves the

discipline of physics and which is listed here for convenience. The description of such a course appears in the General Studies bulletin.

PHYSICS

GSA 101-6 (3,3). INTRODUCTION TO PHYSICAL SCIENCE.

211-15 (5,5,5). UNIVERSITY PHYSICS. A basic course for science, mathematics, and pre-engineering students. (a) Mechanics, (b) Light, sound, and heat, (c) Electricity and magnetism. Three lecture, two recitation, and two laboratory hours per week. Must be taken in a,b,c or a,c,b sequence. Prerequisite: (a) Mathematics 150b or concurrent enrollment; (b,c) 211a, Mathematics 252a or concurrent enrollment.

300-5. UNIVERSITY PHYSICS IV. A continuation of 211 covering modern physics. Three lecture, two recitation and two laboratory hours per week. Prerequisite: 211-15, Mathematics 252b or concurrent enrollment.

301-8 (4,4). MECHANICS. Intermediate mechanics using vector analysis. Prerequisite: 211a; Mathematics 324 or concurrent enrollment.

304-3. THERMODYNAMICS. A macroscopic study of the thermal properties of matter and laws of thermodynamics. Prerequisite: 211b and Mathematics 252b.

305-8 (4,4). INTRODUCTION TO ELECTRIC THEORY. Vector treatment of the theory: electrostatics in vacuum and in matter, steady currents, magnetism, alternating currents, complex number analysis of a-c circuits, electromagnetic radiation. Must be taken in a,b sequence. Prerequisite: 211c and Mathematics 324.

307-2. ELECTRIC MEASUREMENTS. A laboratory course illustrating basic electrical and magnetic properties and emphasizing precision in their measurement. Prerequisite: 305b or concurrent enrollment.

309-4. ELECTRIC CIRCUITS. Electron tube and transistor circuit principles and applications. Three lecture and three laboratory hours per week. Prerequisite: 211c.

310-4. LIGHT. Light propagation and optical instruments: reflection, refraction, interference, diffraction, and polarization of light. Prerequisite: 211b.

311-1. OPTICS LABORATORY. Advanced experiments in geometrical and physical optics. Two laboratory hours per week. Prerequisite: 310 or concurrent enrollment.

316-5. HISTORY OF PHYSICS. A study of the development of physical concepts and theories, and of contemporary physical research. Designed particularly for students planning to teach.

GSA 358-6 (3,3). ANALYSIS OF PHYSICAL SYSTEMS.

GSA 361-3. PHYSICS OF MUSIC AND ACOUSTICS.

375-0 to 6. SEMINAR. Topics selected from a wide range of physical theories and applications (maximum credit per quarter 2 hours). Prerequisite: consent of instructor. Junior or senior standing recommended.

404-3. INTRODUCTION TO STATISTICAL MECHANICS. A microscopic study of the thermal properties of matter and the laws of thermodynamics. Prerequisite: 301b, 304.

415-12 (4,4,4). MODERN PHYSICS. Elements of wave mechanics, atomic and nuclear physics, fundamental particles, superconductivity, and solid state. Must be taken in a,b,c sequence. Prerequisite: 300; 9 hours of mathematics numbered 300 or above.

- 418-1 to 4. MODERN PHYSICS LABORATORY. Experiments in modern physics. Prerequisite: 415 or concurrent enrollment and consent of instructor.
- 420-2 to 6. SPECIAL PROJECTS. Each student is assigned a definite investigative topic. Adapted to advanced undergraduate students. Prerequisite: 301, 305, and permission of division.
- 430-2. PHYSICAL LITERATURE. A study of source materials in the field of physics. Also, library search on special projects. Prerequisite: Integral calculus, three advanced physics courses and permission of instructor.
- 501-15 (3,3,3,3,3). Methods of Theoretical Physics.

ASTRONOMY

- 201-4. INTRODUCTION TO ASTRONOMY. Uses of astronomy, reference systems, time, instruments, solar and galactic systems and satellites. Includes evening observations in addition to lecture-demonstrations.
- GSA 356-3. ASTRONOMY.

PHYSIOLOGY

COURSE DESCRIPTIONS

- 209-4. PRINCIPLES OF PHYSIOLOGY. A comprehensive introductory analysis of the functional machinery of the human body. Three lectures and two laboratory hours per week. Prerequisite: GSA 201b and either Zoology 103 or Physiology 300. No credit toward a concentration in zoology.
- 300-4. HUMAN ANATOMY. The anatomy of the principal systems of the human body. Two lectures and four laboratory hours per week. Prerequisite: GSA 201b. No credit toward a concentration in zoology.
- 315-15 (5,5,5). COLLEGE PHYSIOLOGY. Lectures emphasize mammalian and human physiology. Laboratory involves function throughout the vertebrate classes. Must be taken in a,b,c or a,c,b sequence. Three lecture and four laboratory hours per week. Prerequisites: GSA 201b and 5 hours of chemistry.
- 430-12 (4,4,4). CELLULAR PHYSIOLOGY. The nature and mechanism of the living cell. Chemical and physical aspects of vital activity. Recommended for students interested in biochemistry and biophysics. 3 hours lecture, 2 hours laboratory. Prerequisite: one course in biological science, organic chemistry.
- 433-4. COMPARATIVE PHYSIOLOGY. Fundamental physiological processes and the manner in which they vary in various groups of animals. Three lecture and two laboratory hours per week. Prerequisites: Chemistry 111c, Zoology 102, 103.
- 460-12 (4,4,4). MAMMALIAN PHYSIOLOGY. For graduate students who need a knowledge of human or mammalian function. Identical with 315 which runs concurrently.

SCIENCE AND TECHNOLOGY

To qualify for honors in an area of Science and Technology, one must

complete at least 57 hours of credit or the equivalent in that area including successful completion of 9 hours of the corresponding honors program. For further information regarding the Honors program offered by the Science and Technology Division, refer to Individual Honors Work, in the General Information issue of the *Southern Illinois University Bulletin*.

COURSE DESCRIPTION

390-1 to 15. SCIENCE AND TECHNOLOGY HONORS. Honors work in the biological sciences, chemistry, mathematics, or physics. Entrance to this course is by invitation of the Science and Technology Honors Program Committee. Prerequisite: junior or senior standing.

ZOOLOGY

Students planning to concentrate in zoology should consult with the zoology faculty representatives.

SUGGESTED CURRICULA

BACHELOR OF ARTS DEGREE

<i>General Studies Requirements</i> (See page 5.)	87
<i>Bachelor of Arts Degree Requirements</i> (See page 7.)	(9)
<i>Science and Technology Division Requirements</i> (See page 76.)	(48)
<i>Zoology Concentration Requirements</i>	69
GSA 201a,c	(6)
Chemistry 111-15	15
Physics (GSA 101a,b may be used for credit)	6
Zoology 102, 103, 202, 300, 382-1.5, 401	26
Electives above 300 to complete 48 hours in zoology and physiology including at least one field course and at least one physiology course	22
<i>Secondary Concentration Requirement</i>	27
<i>Electives</i>	9
Recommended: organic chemistry, three quarters of physics, three of botany, and three of mathematics	
<i>Total</i>	192

BACHELOR OF SCIENCE IN EDUCATION DEGREE

For this degree in the Education Division, the Zoology Concentration Requirements are as listed above, under Bachelor of Arts Degree.

BACHELOR OF SCIENCE DEGREE

Students planning to become medical technologists should consult with an appropriate faculty representative.

<i>General Studies Requirements</i> (See page 5.).....	87
<i>Science and Technology Division Requirements</i> (See page 76.)	(48)
<i>Zoology (Medical Technology) Concentration Requirements</i>	54
GSA 201a,c	(6)
GSD 114-9	(9)
Physics (GSA 101a,b may be used for credit)	6
Zoology 102, 103, 202, 300, 382-1.5, 401	26
Electives above 300 in physiology and zoology (At least one field course and at least one physiology course must be included.)	22
<i>Secondary Concentration Requirement (chemistry)</i>	27
Chemistry 111-15, 336-8, and organic chemistry	
<i>Electives</i>	24
<i>Medical Technology</i> (one year at an affiliated Medical Technology School)	(48)
<i>Total</i>	192

Upon successful completion of the year of study and laboratory work at a school of medical technology affiliated with the Science and Technology Division, the student will usually be credited with 48 hours towards the Bachelor of Science Degree (of which 16 will count towards the 64 quarter hours of senior college credit needed for graduation). These hours may be used for hours indicated above in Electives (general) and Electives above 300 in physiology and zoology.

Schools of medical technology approved by the Council on Medical Education and Hospitals of the American Medical Association require for entrance completion of three years (135 quarter hours) from an accredited college or university, with credit for 24 hours in biological science and 24 in chemistry. Students successfully completing the year of study and laboratory training at an approved school of medical technology are eligible to take the national registry examination conducted by the Board of Registry of Medical Technology for certification as a registered technologist MT (ASCP).

SECONDARY CONCENTRATION

The minimum zoology secondary concentration is 27 hours including 102, 103 and electives in physiology and zoology.

COURSE DESCRIPTIONS

The prefix GSA indicates a General Studies course which involves the discipline of zoology and which is listed here for convenience. The description of such a course appears in the General Studies bulletin.

- 100-5. **PRINCIPLES OF ANIMAL BIOLOGY.** Introduction to the major principles of biology, including classification, organization of matter into cells, tissues, organs, and organ systems, heredity, ecology, distribution, organic evolution, economic biology, and conservation. Three lecture and four laboratory hours per week.
- 102-5. **GENERAL INVERTEBRATE ZOOLOGY.** Studies of representatives of the various kinds of invertebrate animals. Relationships, structure, and natural history are emphasized. Two lecture and six laboratory hours per week. Prerequisite: 100 or GSA 201b.
- 103-5. **GENERAL VERTEBRATE ZOOLOGY.** Studies of representatives of the various kinds of vertebrate animals, with special emphasis on the amphibian type. Evolutionary development, structure, and natural history are emphasized. Two lecture and six laboratory hours per week. Prerequisite: 100 or GSA 201b.
- GSA 201a-3, 201b-3. **MAN'S BIOLOGICAL INHERITANCE.**
- 202-5. **COMPARATIVE ANATOMY.** Comparative studies of the organ systems of vertebrate animals, with emphasis on the phylogeny and evolution of these organs. Two lecture and six laboratory hours per week. Prerequisite: 103.
- 300-5. **VERTEBRATE EMBRYOLOGY.** Development of the individual with the frog, chick, and pig as types. Two lecture and six laboratory hours per week. Prerequisite: 202.
- 303-4. **GENERAL ORNITHOLOGY.** Natural history, identifications, and taxonomic groups of birds. Cost of field trips may be \$5 to \$10 per student. Two lecture and four laboratory hours per week. Prerequisite: 100 or GSA 201b.
- 306-4. **ENTOMOLOGY.** Principles of the structure, classification, and life histories of insects. Two lecture and four laboratory hours per week. Prerequisite: 102.
- 310-5. **ANIMAL ECOLOGY.** Habitats, communities, and population dynamics of animals. Cost of field trips may be \$5 or \$10 per student. Three lecture and four laboratory hours per week. Prerequisite: 102, 103.
- 313-3. **EVOLUTION.** Principles and processes of the evolution of living things, including the development of present-day man. Prerequisite: one year of biological science.
- 314-4. **HEREDITY AND EUGENICS.** Principles of heredity in relation to man. Prerequisite: 100 or Botany 101 or GSA 201b or c.
- 321-5. **HISTOLOGICAL TECHNIQUE IN ZOOLOGY.** Methods of preparing material for microscopic study. Two lecture and six laboratory hours per week. Prerequisite: one year of biological sciences or consent of instructor.
- 322-2 to 5. **PROBLEMS IN ZOOLOGY.** Research on zoological problems. Prerequisite: 4.25 grade-point average, senior standing, and consent of the

- faculty. (Credit may not be used toward a secondary concentration in zoology.)
- 335-5. FIELD ZOOLOGY. Taxonomy, natural history, and distribution of local animals. Cost of field trips may be \$10-\$25 per student. Prerequisites: 102, 103.
- 382-1.5 ($\frac{1}{2}, \frac{1}{2}, \frac{1}{2}$). ZOOLOGY SEMINAR FOR SENIORS. Required each quarter of seniors concentrating in zoology. Prerequisite: one year of biological sciences.
- 400-3. ANIMAL TAXONOMY. The concepts of taxonomy and their use in zoology. Two lecture and two laboratory hours. Prerequisites: 1 year of biological science or consent of instructor.
- 401-5. GENETICS. Principles of inheritance, including genetic mechanisms, mutation, and selection. Two lecture and six laboratory hours per week. Prerequisite: 12 hours of biological science and consent of instructor.
- 402-4. NATURAL HISTORY OF INVERTEBRATE ANIMALS. Observation, identification, and life histories. Designed for teachers. Not for students specializing in invertebrate zoology. Two lecture and four laboratory hours per week. Prerequisite: one year of zoology.
- 403-4. NATURAL HISTORY OF VERTEBRATE ANIMALS. Observation, identification, and life histories. Designed for teachers. Not for students specializing in vertebrate zoology. Two lecture and four laboratory hours per week. Prerequisite: one year of zoology.
- 404-4 to 8. ZOOLOGY FIELD STUDIES. An extended trip of four to eight weeks to study animals in various environments. Arrangements made spring term. Costs per individual will be approximately \$25 per week. (4 hours may be used for undergraduate credit and 4 hours for graduate credit.) Prerequisite: consent of faculty.
- 406-4. PROTOZOOLOGY. Taxonomy, cytology, reproduction, and physiology of unicellular animals. Laboratory methods of culturing and studying. Two lecture and four laboratory hours per week. Prerequisite: one year of zoology.
- 407-5. PARASITOLOGY. Collection of parasitic animals, identification, morphology, life history, and control measures. Two lecture and six laboratory hours per week. Prerequisite: 102.
- 408-4. HERPETOLOGY. Taxonomic groups, identification and natural history of amphibians and reptiles. Cost of field trip may be \$5 to \$10 per student. Two lecture and four laboratory hours per week. Prerequisite: one year of zoology.
- 412-4. ADVANCED ENTOMOLOGY. Morphology, physiology, systematics, and distribution of insects. Two lecture and four laboratory hours per week. Prerequisite: one basic course in entomology.
- 461-4. MAMMALOLOGY. Taxonomic groups, identification, and natural history of mammals. Two lecture and four laboratory hours per week. Prerequisite: 103.
- 480-3. ZOOGEOGRAPHY. Concepts and principles relating to patterns of animal distribution on a continental and world-wide basis. Prerequisite: 103 or consent of instructor.
- 520-5. Advanced Invertebrate Zoology.
- 578-4. Population Genetics.
- 596-2 to 6. Special Research in Biology.

Social Sciences Division

Anthropology; Geography; Government; History; Public Administration and Planning; Sociology

THE SOCIAL SCIENCES DIVISION offers courses designed to enable the student to achieve an understanding and appreciation of civilization viewed in historical perspective, and to gain, through the various social sciences disciplines, an awareness of the society of which he is a part and of his role in it. His studies give him insights and understandings which enable him to live more constructively with others in his family, community, and nation and provide him with a better understanding of social organizations, technologies, and the nature and variety of human beliefs and attitudes.

FACULTY OF BEHAVIORAL SCIENCES

Professor Donald L. Taylor (Ph.D., Duke).

Associate Professors Robert B. Campbell (Ph.D., Wisconsin), Lynn M. Irvine, Jr. (M.A., Indiana), Douglas M. More (Ph.D., Chicago), Gunter W. Remmling (Ph.D., Berlin), Elliott M. Rudwick (Ph.D., Pennsylvania), Ernest L. Schusky (Ph.D., Chicago; *chairman*), Jack Bruce Thomas (Ph.D., Indiana).

Assistant Professors Thomas P. Culbert (Ph.D., Chicago), Martin L. Dosick (A.M., Boston), Virgil L. Seymour (M.S., Southern Illinois).

Term Instructors and Lecturers John W. Rawlin, Jane Ann Schusky, Steven Vago.

FACULTY OF EARTH SCIENCES

Professors James E. Collier (Ph.D., Nebraska), Melvin E. Kazeck, (Ed.D., Columbia; *chairman*).

Associate Professors William B. Baker (Ph.D., Nebraska), John W. Snaden (Ph.D., Michigan).

Assistant Professors Carl S. Lossau (Ph.D., Northwestern), Philip E. Vogel (Ph.D., Nebraska).

Instructor Richard E. Guffy (M.S., Northwestern).

Visiting Associate Professor Sitanshu Mookerjee (Ph.D., Indiana).

Term Instructors and Lecturers Harold H. Channer, Robert L. Koepke, Carroll J. Schwartz.

FACULTY OF GOVERNMENT AND PUBLIC AFFAIRS

Professors William Goodman (Ph.D., Ohio State; *chairman*), Seymour Z. Mann (Ph.D., Chicago).

Associate Professors Kurt Glaser (Ph.D., Harvard), S. D. Lovell (Ph.D., Ohio State).

Assistant Professors James R. Kerr (Ph.D., Stanford), George R. Mace (Ph.D., Claremont).

Instructor Eleanor A. Schwab (A.M., New York).

Term Instructors and Lecturers Arthur A. Stahnke, Robert D. Stetten.

FACULTY OF HISTORICAL STUDIES

Professor Herbert H. Rosenthal (Ph.D., Harvard).

Associate Professors Robert F. Erickson (Ph.D., Illinois), John G. Gallaher (Ph.D., St. Louis), Stanley B. Kimball (Ph.D., Columbia) (on leave 1964-65), Allan J. McCurry (Ph.D., Cornell; *chairman*), Patrick W. Riddleberger (Ph.D., California).

Assistant Professors James M. Haas (Ph.D., Illinois), Ronald A. Steckling (M.A., Wisconsin), Stuart L. Weiss (Ph.D., Chicago).

Term Instructors and Lecturers Edward P. Keleher, Nedra Reames.

ANTHROPOLOGY

A secondary concentration in anthropology consists of 27 hours including 300-4, 310-4, 409-4, GSB 201a-3, and GSB 351b-3. English 400-4 may be counted as part of the concentration.

COURSE DESCRIPTIONS

The prefix GSB indicates a General Studies course which involves the discipline of anthropology and which is listed here for convenience. The description of such a course appears in the General Studies bulletin.

GSB 201a-3. CULTURE, SOCIETY, BEHAVIOR.

300-4. MAN'S PLACE IN NATURE. Man as a biological being, his relationships to other living things, human origins and development, the concept of race and races of mankind, human genetics, and normal human variation.

304-4. THE ORIGINS OF CIVILIZATION. The conditions that produced the early high culture of both Old and New Worlds. A study of the complex environmental and cultural factors that led to the rise and fall of early civilizations.

309-4. PEOPLES AND CULTURES OF ASIA AND OCEANIA. The varieties of people and customs in Asia, and the Pacific Islands. The biological and cultural history of man in Asia and Oceania from the earliest known times to the present day.

310-4. MAN AND CULTURE. The nature of culture and cultural process. The interrelationships between culture and man as an individual and as a group, with emphasis on the cultural point of view as an aid in understanding human actions and reactions in the world today.

314-4. INDIANS OF NORTH AMERICA. A survey of North American Indian cultures as they have existed within historic times.

GSB 351b-3. GEOGRAPHIC AND CULTURAL BACKGROUND OF DEVELOPING AFRICA.

409-4. ANTHROPOLOGY AND MODERN LIFE. The uses of anthropology in the present-day world. How the anthropologist aids the administrator, businessman, government official, and other specialists.

430-4. ARCHAEOLOGY OF NORTH AMERICA. An introduction to the

methods of archaeology and a survey of prehistoric Indian cultures north of Mexico, with particular emphasis upon the cultures of the Mississippi Valley.

470-4. SOCIAL ANTHROPOLOGY. Theory and method in community study; functional analysis, cultural themes and values in both primitive and modern cultures.

GEOGRAPHY

In the field of geography, the student may work toward either a Bachelor of Science in Education degree or a Bachelor of Arts degree depending upon his objective:

- 1. Bachelor of Science in Education—for preparation to teach geography in the elementary or secondary schools, or (with further preparation) in the junior college; or as a part of preparation to teach either social science or physical science in the elementary or secondary schools.
- 2. Bachelor of Arts—for a thorough knowledge of geography, in preparation for civil service appointment as a geographer, or for demands of private organizations requiring the services of geographers, meteorologists, cartographers, or planners.

SUGGESTED CURRICULA

BACHELOR OF ARTS DEGREE

<i>General Studies Requirements</i> (See page 5.)	96
<i>Bachelor of Arts Degree Requirements</i> (See page 7.)	(9)
<i>Geography Concentration Requirements</i>	45
<i>Secondary Concentration Requirements</i>	27
<i>Electives</i>	24
<i>Total</i>	192

Areas of Specialization

- Cultural, Economic, Physical: 302, 304, 306, 308, 310a.
- Planning: 302, 304, 306, 308, 310a, 470a,b,c, and 471.
- Cartography: 302, 304, 306, 308, 310a,b, 410a,b, 416a,b, 417, and mathematics minor.

The B.A. degree cartography specialty may be earned by a Work-Study Plan which permits students to work part time at the St. Louis Aeronautical Chart and Information Center. The General Studies advisement office or the geography staff has complete information on this plan. General Studies courses GSB 101a and GSA 330 are required in the above

specializations; one additional General Studies course in geography may be counted.

BACHELOR OF SCIENCE IN EDUCATION DEGREE

In addition to the General Studies Requirements and the Education Division Requirements, a geography specialization must include the following courses, GSB 101a, GSA 312, 330, Geography 302, 304, 306, 310a and additional courses to complete 45 or 36 hours in geography, (depending on whether the student has one or two secondary concentrations).

SECONDARY CONCENTRATION

A secondary concentration in geography consists of 27 hours and must include 302, 304, 306. Nine hours may be counted from the following: GSA 200, 312, 330, 331, GSB 101a, 351a, and 354.

COURSE DESCRIPTIONS

The prefix GSA or GSB indicates a General Studies course which involves the discipline of geography and which is listed here for convenience. The description of such a course appears in the General Studies bulletin.

GSB 101a-3. SURVEY OF THE WESTERN TRADITION.

GSA 200-3. EARTH SCIENCE.

302-4. INTRODUCTION TO PHYSICAL GEOGRAPHY. A study of the earth's physical surface, world distribution patterns of the physical elements, their relationship to each other and their importance to man. Field trip and laboratory work.

304-4. INTRODUCTION TO ECONOMIC GEOGRAPHY. A study of economic production designed to show the relationships between the physical environment and the economic activities in selected areas.

306-4. INTRODUCTION TO CULTURAL GEOGRAPHY. A world survey course which stresses man's relationship to his physical environment.

308-3. INTRODUCTION TO GEOGRAPHIC METHODS. Designed to introduce the geographic methods of integrating physical, economic and cultural elements in the study of areas. Cartographic and quantitative techniques utilized.

310-6 (3,3). INTRODUCTION TO CARTOGRAPHIC METHODS. Properties of maps and air photos, their uses and sources. Introduction to map symbols, map projections and map construction. Laboratory.

GSA 312-3. CONSERVATION OF NATURAL RESOURCES.

324-4. RESTORATION AND CONSERVATION OF NATURAL RESOURCES.

GSA 330-3. WEATHER.

GSA 331-3. CLIMATE.

343-4. TEACHING OF GEOGRAPHY. Presentation and evaluation of geography teaching methods. Geographic literature, illustrative materials, and teaching devices are emphasized.

GSB 351a-3. GEOGRAPHIC AND CULTURAL BACKGROUND OF DEVELOPING AFRICA.

GSB 354-3. INDUSTRIAL ECONOMIC GEOGRAPHY.

All 400-level courses require 6 hours of geography as prerequisites.

- 402-7. (4,3). ADVANCED PHYSICAL GEOGRAPHY I. A study of advanced climatology, soils and vegetation.
- 403-7 (4,3). ADVANCED PHYSICAL GEOGRAPHY II. A study of geomorphology and physiography.
- 404-7 (4,3). ADVANCED ECONOMIC GEOGRAPHY I. A study of the resource base and agricultural production.
- 405-7 (4,3). ADVANCED ECONOMIC GEOGRAPHY II. Industrial geography, transportation and locational theory.
- 406-7 (4,3). ADVANCED CULTURAL GEOGRAPHY I. Population and settlement geography.
- 407-7 (4,3). ADVANCED CULTURAL GEOGRAPHY II. Political and Historical geography.
- 410-6 (3,3). ADVANCED GEOGRAPHIC TECHNIQUES. Quantitative techniques and map intelligence. Prerequisite: 310.
- 416-8 (4,4). CARTOGRAPHY. Instruction and practice in the techniques of map-making and problems in map reproduction. Laboratory. Prerequisite: 310.
- 417-3. AIR PHOTO INTERPRETATION. Techniques in the use of air photos as source material for research in physical and social sciences. Prerequisite: 310.
- 424-4. REGIONAL PROBLEMS IN CONSERVATION. The distribution, use and interrelationship of the resources of the United States and the conservation techniques applied to them.
- 450-3 to 15. TRAVEL STUDY COURSE. Enrichment through travel, supervised study and readings on areas visited.
- 461-7 (4,3). ADVANCED REGIONAL GEOGRAPHY OF ANGLO-AMERICA. A regional coverage followed by an intense study of selected geographic factors.
- 462-7 (4,3). ADVANCED REGIONAL GEOGRAPHY. EUROPE. A regional coverage followed by an intense study of selected geographic factors.
- 463-7 (4,3). ADVANCED REGIONAL GEOGRAPHY. MEDITERRANEAN LANDS. A regional coverage followed by an intense study of selected geographic factors.
- 464-7 (4,3). ADVANCED REGIONAL GEOGRAPHY. SOVIET WORLD. A regional coverage followed by an intense study of selected geographic factors.
- 465-7 (4,3). ADVANCED REGIONAL GEOGRAPHY. AFRICA. A regional coverage followed by an intensive study of selected geographic factors.
- 466-7 (4,3). ADVANCED REGIONAL GEOGRAPHY. ASIA. A regional coverage followed by an intensive study of selected geographic factors.
- 467-7 (4,3). ADVANCED REGIONAL GEOGRAPHY. LATIN AMERICA. A regional coverage followed by an intensive study of selected geographic factors.
- 468-7 (4,3). ADVANCED REGIONAL GEOGRAPHY. OCEANIA. A regional coverage followed by an intensive study of selected geographic factors.
- 470-12 (4,4,4). URBAN PLANNING. (See Government 470.) (a) Planning Concepts and Methods, (b) Planning Administration and the Planning Function in Public Process, (c) Field Problems.

- 471-3 to 6. REGIONAL PLANNING. Area and regional development, theory and practices.
 475-4 to 8. METHODS OF FIELD GEOGRAPHY. Application of geographic field techniques.
 490-6 (2,2,2). TUTORIAL IN GEOGRAPHY. Individual and small group conferences dealing with geographic topics and concepts.
 522-2 to 6. Seminar in Regional Geography.
 530-2 to 6. Independent Studies in Geography.

GOVERNMENT

A concentration in government is recommended for persons planning to teach civics or government courses, and for those planning to qualify for the study of law or for the public service.

SUGGESTED CURRICULA

BACHELOR OF ARTS DEGREE

<i>General Studies Requirements</i> (See page 5.)	96
<i>Bachelor of Arts Degree Requirements</i> (See page 7.)	(9)
<i>Government Concentration Requirements</i>	45
A minimum of 45 hours including 210 and at least 3 hours in each of the six areas of specialization listed below.	
<i>Secondary Concentration Requirements</i>	27
<i>Electives</i>	24
<i>Total</i>	192

BACHELOR OF SCIENCE IN EDUCATION DEGREE

For this degree in the Education Division, the Government Concentration Requirements include 45 or 36 hours (including 210) in government depending on whether the student has one secondary concentration or two. At least 3 hours (but no more than 20 hours) should be taken in each of the areas of specialization listed below.

AREAS OF SPECIALIZATION

American Government and Politics 232, 330, 340, 379, 380, 406, 415, 420, 435.
 Public Law 315, 495.
 Public Administration 360, 361, 440, 461, 465, 470, 473.
 International Relations 243, 370, 371, 373.
 Comparative Government 390, 453, 456, 457, 458.
 Political Theory 484, 487.

SECONDARY CONCENTRATION

A secondary concentration is 27 hours and must include 210 and at least one course in three of the six areas of specialization listed above.

COURSE DESCRIPTIONS

The prefix GSB indicates a General Studies course which involves the discipline of government and which is listed here for convenience. The description of such a course appears in the General Studies bulletin.

210-4. AMERICAN GOVERNMENT. A general survey of national, state, and local governments. Includes the national and state constitutional principles as required by Illinois law.

GSB 211b,c-6. POLITICAL ECONOMY.

232-4. STATE AND LOCAL GOVERNMENT. A survey of the structure and functions of American state and local governments. Prerequisite: 210 or equivalent.

243-3. INTRODUCTION TO AMERICAN FOREIGN POLICY. The significance of foreign policy as related to American citizens. Prerequisite: 210 or equivalent.

315-3. ADMINISTRATION OF JUSTICE. The organization and work of the American judicial system. Recommended for pre-law students. Prerequisites: 210 or equivalent.

321-1 to 6. READINGS IN GOVERNMENT. Consent of instructor required.

330-2. ILLINOIS GOVERNMENT. The development and functioning of government in Illinois. Prerequisite: 210 or equivalent.

340-3. THE LEGISLATIVE PROCESS. A study of the principles, organization, and work of American legislative bodies. Prerequisite: 210 or equivalent.

GSB 359a,b-6. SOCIETY AND STATE: SOCIAL AND POLITICAL THEORIES.

360-4. INTRODUCTION TO PUBLIC ADMINISTRATION. Nature of public administration in the United States, basic administrative practices, the peculiar governmental systems; major issues in public administration. Prerequisite: 210 or equivalent.

361-3. SELECTED PROBLEMS IN PUBLIC ADMINISTRATION AND POLICY FORMULATION. Intensive examination of problem areas illustrating administrative and management practices in public service and demonstrating linkages between politics and administration in our political system. Prerequisite: 360.

370-4. INTERNATIONAL RELATIONS. A study of world politics—the causes of international conflict and the conditions of peace. Prerequisite: 243.

371-4. PROBLEMS OF AMERICAN FOREIGN POLICY. An analysis of selected problems in the field of American foreign policy. Prerequisite: 243.

373-3. INTERNATIONAL POLITICS OF EUROPE. Nation-state system in Europe; foreign politics of major states; nationalism as a source of conflict; Soviet expansionism; progress toward European security and unification. Prerequisite: 370.

379-3. THE DEVELOPMENT OF POLITICAL PARTIES. A study of the historical development of American political parties. Prerequisite: 210 or equivalent.

- 380-4. **POLITICAL PARTIES.** An analysis of contemporary American political parties. Prerequisite: 210 or equivalent.
- 390-8 (4,4). **COMPARATIVE EUROPEAN GOVERNMENT.** (a) The Constitutional and Liberal Systems: A comparative study of Great Britain, France (liberal and constitutional phases) and the nontotalitarian phases of German government. Other states may be included at the option of the instructor. (b) The Authoritarian and Totalitarian Systems: An examination of the authoritarian systems of Fascist Italy, Nazi Germany and the U.S.S.R. Also included is a comprehensive comparison of these two types of government.
- 406-4. **AMERICAN CHIEF EXECUTIVE.** President and governor. A study of the origin and background of the presidency and the governorship; qualifications, nomination and election, succession and removal, the organization of the executive branch and the powers and functions of the president and governor. Prerequisite: 210 or equivalent.
- 415-3 **POLITICAL BEHAVIOR.** An analysis of the nature of public opinion and methods of influencing political behavior. Major attention given to studying basic psychological attitudes and behavior. Prerequisite: 210 or equivalent.
- 420-3. **PRESSURE GROUPS AND POLITICS.** An analysis of interest groups and their techniques of political propaganda. Prerequisite: 210 or equivalent.
- 435-4. **GOVERNMENT AND BUSINESS.** General survey of regulation of business by government; regulatory measures and procedures; regulation of labor and agriculture; public ownership; impact of pressure groups on government. Prerequisite: 210 or equivalent.
- 440-4. **PUBLIC PERSONNEL MANAGEMENT.** An analysis of some of the central problems encountered by the government executive in recruiting, maintaining, and developing personnel, such as political neutrality, leadership and motivation, career development, security regulations, and the role of personnel in policy planning and execution. Prerequisite: 210 or equivalent.
- 453-12 (4,4,4). **THE GOVERNMENT AND POLITICS OF THE SOVIET UNION.** An intensive study and research exercise in the government and politics of the Soviet Union. Prerequisite: 390 or consent of instructor.
- 456-4. **GREAT BRITAIN AND THE BRITISH EMPIRE.** An intensive study and research exercise in the governments and politics of the British Commonwealth of Nations. Prerequisite: 390 or consent of instructor.
- 457-4. **GOVERNMENT AND POLITICS IN THE NEAR AND MIDDLE EAST.** Iran, Iraq, Syria, Lebanon, Egypt, Jordan, Saudi Arabia, etc. Prerequisite: 210 or equivalent.
- 458-8 (4,4). **GOVERNMENT AND POLITICS OF ASIA.** (a) Southeast Asia. Prerequisite: Consent of instructor. (b) China and Japan. Prerequisite: Consent of instructor.
- 461-4. **ORGANIZATIONAL THEORY AND PUBLIC ADMINISTRATION.** Examination of sociology of organizations, the significance of bureaucracy and large scale organizations, administrative theories and their application and relevance to public administration. Prerequisite: 360 or concurrent registration with 360.
- 465-3. **LOCAL GOVERNMENT AND PUBLIC ADMINISTRATION.** Problems and issues at local governmental level. Emphasizes administrative

approaches, special problems in intergovernmental relationships, and the developing tasks related to urban expansion. Prerequisite: 360.

- 470-12 (4,4,4). URBAN PLANNING. (Same as Geography 470.) (a) Planning Concepts and Methods. An introduction to the planning processes, stressing the physical aspects. Lectures, discussions, demonstrations and laboratory sessions covering historical background of planning; planning methods including land use studies and special distribution of functions in the urban area and region; research methods in planning; introduction to design elements; and instruments for plan implementation. (b) Planning Administration and the Planning Function in Public Processes. The study of the planning process as it relates to public policy formulation and implementation processes. Particular emphasis will be given to the urban government setting and to emerging regional arrangements. Will examine problems in planning administration, fiscal planning, the co-ordinative role of planning, and land use controls. (c) Field Problems in Urban and Regional Planning. Principally designed as a workshop where problems would be pursued by the student on an individual or group basis. Topics for investigation would be selected to serve the student's competence and interest in the sociological, economic, administrative, design or general political aspects of the planning process. Problems selected would be related to this bi-state metropolitan area as a natural laboratory and would be tied, wherever feasible or desirable, to on-going current area studies. Prerequisite: consent of instructor.
- 470D-2. URBAN PLANNING SEMINAR: PLANNING IN A FREE SOCIETY. Individual and group consideration of a philosophy of planning compatible with a free society. Seminar will devote itself to a review of the significant related literature and to the consideration of the contributions and limitations of planning as an element in public decision-making. (May be taken concurrently with 470c.) Prerequisite: 470a and 470b.
- 473-3. METROPOLITAN STUDIES AND RESEARCH. Examination of the reorganization movement related to improvement and restructuring of government in metropolitan areas. Review and evaluation of special problems in research methodology. Prerequisite: 360 or 465 or consent of instructor.
- 484-12. (4,4,4). HISTORY OF WESTERN POLITICAL THEORY. The major theories and theorists of the Western heritage and their relevance to political values and institutions. (a) The teachings of Plato, Aristotle, the major Skeptics, Cynics, and Stoics (with emphasis upon the later Stoa—Cicero), Augustine, and Aquinas. (b) The teachings of Machiavelli, Hobbes, Rousseau, Locke, and Burke. (c) The theories of Publius, Bentham, Hegel, Tocqueville, Mills, Marx, and Nietzsche.
- 487-6 (3,3). AMERICAN POLITICAL IDEAS. (a) An analysis of American political theory and ideas from Puritan America to Tocqueville with emphasis upon the continuous development of basic political values and institutions. (b) An analysis of American political ideas from Calhoun to present currents in American political and social thought with emphasis upon the continuous development of basic political values and institutions.
- 495-12 (4,4,4). AMERICAN CONSTITUTIONAL LAW. (a) A study of the development of American constitutional law chiefly through judicial opinion. Emphasis is placed on the analysis of federalism and the dis-

tribution of powers. Prerequisite: 210 or equivalent. (b) A study of government power and the rights of property. Special attention is directed to tension between the public welfare and private rights, the extent of government power to regulate property rights, and state versus federal power over commerce and taxation. Prerequisite: 210 or equivalent. (c) A study of the nature and extent of civil rights and liberties in the United States. Special attention is given to freedom of speech, press, and association, separation of church and state, equal protection of the laws, and the rights of persons accused of crime. Prerequisite: 210 or equivalent.

- 505-2 to 9. Seminar in Political Parties.
- 512-2 to 9. Seminar in Public Administration.
- 530-1 to 12. Internship in Public Affairs.

HISTORY

Students who intend to concentrate in history should consult with a member of the history faculty at the time of registration. Formal declaration of a concentration in history should not be made before the end of the sophomore year. Students are urged to complete their General Studies program as soon as possible in order to concentrate on history during the junior and senior years.

SUGGESTED CURRICULA

BACHELOR OF ARTS DEGREE

<i>General Studies Requirements</i> (See page 5.)	96
<i>Bachelor of Arts Degree Requirements</i> (See page 7.)	(9)
<i>History Concentration Requirements</i>	43
GSB 101b,c	(6)
History 100, 201-8, 452	14
History electives above 299 (Anthropology 304 may be counted) to complete 45 hours (including GSB 101b,c) distributed as evenly as possible among Ancient-Medieval-Asiatic, Modern European, and American history.	25
Philosophy 200	4
<i>Secondary Concentration Requirements</i>	27
<i>Electives</i>	26
<i>Total</i>	192

BACHELOR OF SCIENCE IN EDUCATION DEGREE

For this degree in the Education Division, the History Concentration

Requirements are 48 hours or 36 hours depending on whether the student has one secondary concentration or two. Requirements for either concentration are 100, 201-8, 452, GSB 101b,c, and Philosophy 200. The remaining portion of the concentration must be on the 300 and 400 levels, and care should be taken to distribute the work as evenly as possible among the three fields of Ancient-Medieval-Asiatic, Modern Europe, and American history. A year of work in a foreign language is required.

SECONDARY CONCENTRATION

Twenty-seven hours are required for a secondary concentration in history and must include 100, 201-8, GSB 101b,c. Anthropology 304 may be counted for a history concentration.

COURSE DESCRIPTIONS

The prefix GSB indicates a General Studies course which involves the discipline of history and which is listed here for convenience. The description of such a course appears in the General Studies bulletin.

100-3. SURVEY OF WESTERN CIVILIZATION. Ancient Period to 1000 A.D.

GSB 101b-3, 101c-3. SURVEY OF WESTERN TRADITION.

201-8 (4,4). HISTORY OF THE UNITED STATES. (a) U.S. to 1865, (b) U.S. since 1865.

304-3. HISTORY OF THE ANCIENT NEAR EAST. Political, social, and religious history from the earliest times to the 4th Century B.C. Prerequisite: 100 or equivalent.

306-9 (3,3,3). HISTORY OF ROME. (a) The Republic. (b) The Western Empire. (c) The Eastern Empire. Prerequisite: 100 or equivalent.

308-3. HISTORY OF ILLINOIS. Political, social, economic, and cultural history of the state from 1818 to the present. Recommended for prospective teachers. Prerequisites: 201-8.

309-4. THE NEGRO IN AMERICA. The role of the Negro in America from the seventeenth century to the present with emphasis on the period since 1865. Prerequisite: 201-8.

312-4. CENTRAL EUROPE IN THE NINETEENTH CENTURY. An analysis of the rise of nationalism with emphasis on Germany and Italy and of the problems of the Austro-Hungarian Monarchy. Prerequisites: GSB 101b,c.

330-4. THE REVOLUTION AND THE CONSTITUTION. A detailed examination of the period 1763 to 1789 in United States history. Prerequisite: 201a.

332-8 (4,4). MEDIEVAL HISTORY. (a) Early Middle Ages. (b) Later Middle Ages. Prerequisite: sophomore standing.

338-6 (3,3). HISTORY OF GREECE. (a) Hellenic history. (b) 401-133 B.C. Prerequisite: sophomore standing.

352-9 (3,3,3). HISTORY OF LATIN AMERICA. (a) Colonial Latin America. (b) Independent Latin America. (c) Latin America in World Affairs.

365-4. HISTORY OF CHINESE CIVILIZATION. A survey of the development

- of Chinese civilization from prehistoric times to the present. Prerequisites: GSB 101b,c.
- 367-9 (3,3,3). HISTORY OF THE FAR EAST. (a) Introduction, to 1800. (b) 1800-1945. (c) 1945 to the present. Prerequisite: GSB 101b,c.
- 372-8 (4,4). HISTORY OF RUSSIA. (a) To 1905. (b) Since 1905. Prerequisite: GSB 101b,c.
- 401-8 (4,4). HISTORY OF THE SOUTH. (a) The Old South. (b) The New South: Prerequisite: 201-8.
- 405-3. CIVIL WAR AND RECONSTRUCTION. The political and economic background of the war, the military aspects of the conflict, and the course and consequences of reconstruction. Prerequisites: 201-8.
- 410-2 to 5. SPECIAL READINGS IN HISTORY. Limited to exceptionally well-qualified students.
- 411-9 (3,3,3). INTELLECTUAL HISTORY OF THE UNITED STATES. (a) 1607-1789. (b) 1789-1900. (c) 1900 to present. Prerequisite: 201-8.
- 415-12 (4,4,4). HISTORY OF EARLY MODERN EUROPE. (a) The Renaissance. (b) The Reformation. (c) Age of Absolutism and the Enlightenment. Prerequisite: GSB 101b,c.
- 420-4. THE FRENCH REVOLUTION. An intensive study of the period 1789 to 1815. Prerequisite: GSB 101b,c.
- 425-4. AMERICAN COLONIAL HISTORY. Founding of the American colonies and development of their institutions to 1763. Prerequisite: 201a.
- 428-4. THE AGE OF JACKSON. Origins, background, and development of that phase of American democracy associated with the Jacksonian era. The political, social, and economic history of the years 1815-44 are considered in detail.
- 432-12 (4,4,4). ADVANCED ENGLISH HISTORY. (a) Tudor England. (b) English Culture in the Age of American Colonization. (c) Constitutional History. Prerequisite: GSB 101b,c.
- 435-9 (3,3,3). POST CIVIL WAR AMERICA. (a) 1865-1900. (b) 1900-1929. (c) 1929 to present. Prerequisite: 201-8.
- 440-6 (3,3). HISTORY OF AMERICAN DIPLOMACY. (a) To 1898. (b) Since 1898. Prerequisite: 201-8.
- 450-4. EUROPE SINCE 1914. Political and cultural developments in twentieth century Europe with emphasis on international relations. Prerequisite: GSB 101b,c.
- 451-3. HISTORIOGRAPHY. Development of history as a written subject, including works and philosophy of the various outstanding historians in ancient, medieval, and modern periods. Prerequisite: GSB 101b,c.
- 452-3. RESEARCH AND THESIS WRITING. A methods course in research principles which requires the preparation of a research paper. Prerequisite: senior standing or consent of instructor.
- 454-3. BIOGRAPHY IN AMERICAN HISTORY. Outstanding leaders and their contributions to the history of the United States. Attention to historical writers who specialize in biography. Prerequisite: a course in United States history.
- 481-3. ROME: THE EARLY EMPIRE. The civilization of the first two centuries of the Roman Empire. Against a background of general political history, attention is directed to the philosophical schools, pagan religions, and other factors affecting the rise and extension of Christianity. Prerequisite: 100 or equivalent.

- 500-3 to 9. History Seminar.
- 510-2 to 5. Readings in History.
- 519-4. The Age of Jefferson.
- 553-3. New Viewpoints in American History.

PUBLIC ADMINISTRATION AND PLANNING

Public Administration and Planning is an interdisciplinary concentration which focuses around the problems of public administration in today's society and emphasizes the basic skills and general educational background needed in preparation for a career in public administration and urban and/or regional planning. Numerous opportunities for graduate training exist in all these fields for which this program offers adequate preparation. This concentration offers an excellent medium within the Liberal Arts tradition to get an organized view and understanding of some of the major problems confronting contemporary society. A student may satisfy all concentration requirements by selecting this program which leads to the Bachelor of Arts degree.

A student enrolled in public administration and planning shall offer a minimum of 72 hours distributed in the various disciplines according to the pattern given below.

The combination of hours selected depends on the interest and, to some degree, the previous training of the student. In some cases, selected courses in disciplines other than those suggested may be substituted for the hours recommended. Students enrolled in the program should consult with the program adviser in planning their curricula.

Course problems upon which students may be working in connection with several of the required courses will wherever feasible be related to research projects being carried on by the Public Administration and Metropolitan Affairs Program.

SUGGESTED CURRICULUM

BACHELOR OF ARTS DEGREE

<i>General Studies Requirements</i> (See page 5.)	96
<i>Bachelor of Arts Degree Requirements</i> (See page 7.)	(9)
<i>Public Administration and Planning Concentration Requirements</i>	72
Economics 330-4 and one other course	8
Geography 302-4, 304-4, 416-4; and/or 470-12	12-24
Government 232-4, 360-4, 361-3, 465-3, 473-3; and/or 470-12, 470d-2	14-31
Government and/or geography courses to yield at least	

18 hours in one and 38 in the other. Each of 470a,b, and c may count as either geography or government but not both	13-30
Sociology 335-4 and one other course	8
<i>Electives</i>	24
<i>Total</i>	192

SOCIOLOGY

Sociology offers concentrations for those working for a Bachelor of Arts degree and a Bachelor of Science in Education degree. A sociology concentration with a specialization in social welfare is also offered.

SUGGESTED CURRICULA

BACHELOR OF ARTS DEGREE

<i>General Studies Requirements</i> (See page 5.)	96
<i>Bachelor of Arts Degree Requirements</i> (See page 7.)	(9)
<i>Sociology Concentration Requirements</i>	53
Anthropology, psychology (one course in each)	8
Sociology 101, 308 (or GSD 114d or Mathematics 410a), 312, 321, 405, 451	23
Sociology electives to complete 45 hours	22
A background course in physical anthropology is also recommended.	
<i>Secondary Concentration Requirements</i>	27
<i>Electives</i>	16
<i>Total</i>	192

Social Welfare

<i>General Studies Requirements</i> (See page 5.)	96
<i>Bachelor of Arts Degree Requirements</i> (See page 7.)	(9)
<i>Sociology Concentration Requirements</i>	63
Anthropology, economics, psychology (one course in each)	12
Government (two courses in the area of American national, state, and local government)	9
Sociology 101, 102, 308 (or GSD 114d or Mathematics 410a), 321, 340, 380, 481, 482	31
Sociology electives	11

<i>Secondary Concentration Requirements</i>	27
<i>Electives</i>	6
<i>Total</i>	192

BACHELOR OF SCIENCE IN EDUCATION DEGREE

For this degree in the Education Division, the Sociology Concentration Requirements include 101, 102, 321, 333, 340, 374, and sociology electives to complete 48 or 36 hours depending on whether the student has one or two secondary concentrations. One (but not two) secondary concentration should be in another social science.

SECONDARY CONCENTRATION

A secondary concentration in sociology consists of 27 hours and may include GSB 201-9 and 359-6.

COURSE DESCRIPTIONS

The prefix GSB indicates a General Studies course which involves the discipline of sociology and which is listed here for convenience. The description of such a course appears in the General Studies bulletin.

- 101-4. INTRODUCTORY SOCIOLOGY. Scientific study of human society and the various means by which individuals and groups adjust to each other and to their physical and social environment.
- 102-4. SOCIAL PROBLEMS. An analysis of selected contemporary social problems in their social and cultural setting such as crimes, suicide, mental illness, the vices, family disorganization, with emphasis upon their extent and significance.
- GSB 201b-3. CULTURE, SOCIETY, BEHAVIOR.
- 241-4. MARRIAGE AND PARENTHOOD. The social psychology of dating, courtship, and family relations; evaluation of research findings; problems of applying scientific principles to changing overt behavior.
- 306-4. SOCIAL CONTROL. The means and principles of social controls; social institutions as factors in control; techniques of directing social action. Prerequisite: 101.
- 308-3. STATISTICS FOR SOCIAL SCIENCE. Methods and application of statistics in the social sciences. Statistical methods in demography, ecology, testing and guidance, social problems. Examination of empirical studies in these and related areas. Prerequisite: junior standing or consent of instructor.
- 312-4. SOCIOLOGICAL RESEARCH. Part played by research in the development of sociology as a science. Application of scientific method to social data. Types of research. Prerequisite: 101.
- 320-4. RACE AND MINORITY GROUP RELATIONS. Racial and cultural contacts and conflicts, causes of prejudice; status and participation of minority groups; national and international aspects of minority problems.

- 321-4. **SOCIALIZATION OF THE INDIVIDUAL.** The process of socialization in infancy, childhood, and adolescence; development of habits; attitudes, sentiments; emergence of the self; integration of the individual and society. Prerequisite: 101.
- 322-4. **PROPAGANDA AND PUBLIC OPINION.** Techniques and characteristics of propaganda; methods of measuring public opinion. Prerequisite: 101.
- 332-4. **SOCIAL ORGANIZATION.** An examination of the determinants of social organization; intensive analysis of institutional configurations, social stratification, and systems of social control; review of significant writing. Prerequisite: 101.
- 333-4. **COMMUNITY ORGANIZATION.** Factors involved in community organization; types, aims, and objectives; community diagnosis; individual case study of specific community. Prerequisite: 101.
- 335-4. **URBAN SOCIOLOGY.** The rise, development, structure, culture, planning, and problems in early and modern cities. Prerequisite: 101.
- 338-4. **INDUSTRIAL SOCIOLOGY.** Social organization and processes within the formal and informal structure of the industrial unit; research and experimental materials concerning social determinants of morale, status, and role of the worker. Prerequisite: 101.
- 340-4. **THE FAMILY.** The family in historic and contemporary society; evolution of the modern family; changes in family functions, structures, and roles. Prerequisite: 101.
- 351-4. **SOCIOLOGY OF RELIGION.** Function of religious institutions in society and their relationship to other major social institutions; role in social control and group solidarity. Prerequisite: 101.
- GSB 359a,b-6. **SOCIETY AND STATE: SOCIAL AND POLITICAL THEORIES.**
- 371-4. **POPULATION AND MIGRATION.** Characteristics of population, problems of growth, composition, distribution differential fertility, international and internal migration. Prerequisite: consent of instructor.
- 372-4. **CRIMINOLOGY.** The nature of crime; criminal statistics; causal factors; theories and procedures in prevention and treatment. Prerequisite: consent of instructor.
- 373-4. **JUVENILE DELINQUENCY.** Nature of juvenile delinquency; factors contributing to delinquent behavior; treatment and prevention.
- 374-4. **SOCIOLOGY OF EDUCATION.** Methods, principles, and data of sociology applied to the school situation; relation of the school to other institutions and groups. Prerequisite: consent of instructor.
- 380-4. **INTRODUCTION TO SOCIAL WORK.** The historical development, philosophy, and theory forming the basis for the professional practice of social work; processes developed and the specialists within each of them; personal and educational requirements for the career opportunities available. Prerequisite: 101.
- 388-3. **WORKSHOP IN INTER-GROUP RELATIONS.** Designed to provide theoretical and practical understanding of cultural, social, and psychological factors associated with inter-group tension. Participants concentrate their efforts on problem-solving activities related to their occupational, professional, or civic interests. Resource and consultative staff from the academic areas of education, psychology, sociology, and social work. Prerequisite: consent of instructor.

- 396-1 to 5. READINGS IN SOCIOLOGY. Supervised reading in selected subjects. Prerequisite: consent of division head.
- 405-4. CURRENT SOCIOLOGY. A survey of important trends in contemporary social thought. Students read, report on, and evaluate content of leading sociological journals. Prerequisite: 12 hours of sociology.
- 406-4. SOCIAL CHANGE. Processes of social change in the modern world; culture lag and conflict of norms; individual and social problems arising from conflicting systems of social values and cultural norms. Prerequisite: 101.
- 407-4. INTEGRATED SOCIOLOGY. For seniors in sociology. Integration of sociological concepts and principles: society and culture, the human group, social norms and patterns, status and roles, organization, structure and function, and social change. Prerequisite: 15 hours of sociology.
- 424-4. COLLECTIVE BEHAVIOR. The behavior of people in large groups; collective interstimulation and emotions; crowds, audiences, and publics; mass stimuli and mass response. Prerequisite: 321 or 322 or consent of instructor.
- 426-4. SOCIAL FACTORS IN BEHAVIOR AND PERSONALITY. How group situations and values affect behavior and shape personality; development of concepts, role-concepts, attitudes, values; theories of motivation; self-concepts; conflicting social values in relation to individual motivation. Prerequisite: 321 or Psychology 305 or consent of instructor.
- 427-4. PERSONALITY AND SOCIAL ADJUSTMENT. Basic mechanisms of adjustive behavior; concepts and criteria of personal integration and social adjustment; varieties of adjustive and non-adjustive behavior; theories of personal organization and disorganization; selected problems. Prerequisite: 321 or Psychology 305 or consent of instructor.
- 435-4. SOCIAL STRATIFICATION. A comparative study of social class systems, with emphasis on the American systems. Relationships of class position to behavior in areas such as family, religion, politics. Prerequisite: 101.
- 450-4. SOCIAL THOUGHT I: BEFORE 1800. Ancient background of Western social thought; development of modern social thought. Prerequisite: general background in history.
- 451-4. SOCIAL THOUGHT II: THE SOCIOLOGICAL MOVEMENT. Rise and development of scientific social thought in Western society. Prerequisite: consent of instructor.
- 453-4. SOCIAL MOVEMENTS. A sociological study of modern social movements; social and cultural backgrounds, forms of expression and organization; social structure of social movements, their role and function in modern society. Prerequisite: eight hours of sociology.
- 470c-4. URBAN PLANNING. (See Government 470c.)
- 472-4. TREATMENT AND PREVENTION OF CRIME. Principles of penology; history of punishment and prisons; criminal law, police function, criminal courts; the prison community; the juvenile court and related movements. Prerequisite: 372.
- 481-4. PROCESSES IN SOCIAL WORK. Theory, rationale, and practice of casework, group work, social welfare organization, and the roles of supervision, administration, and research in relation to each. Case material study and discussion with field observation and practice. Prerequisite: 380 or consent of instructor.

- 482-4. SOCIAL WORK IN SELECTED AGENCIES. Study of representative literature on casework in family, psychiatric, medical, school, military, child welfare, correctional settings, and others. Case material study and discussion with field observation and practice. Prerequisite: 481.
- 483-3. CURRENT PROBLEMS IN CORRECTIONS. Organization, administration, and functions of the correctional institution. The content and integration of special programs including classification, professional services, custody, and professional training and architectural design. Current trends in correctional research.
- 484-4. SURVEY COURSE IN MARRIAGE COUNSELING. Survey and analysis of the field of marriage counseling; assessment of current practices and techniques in terms of contemporary sociological theory. Prerequisite: consent of instructor.
- 485-6. COMMUNITY PROGRAMS FOR THE PREVENTION OF JUVENILE DELINQUENCY. Analysis of delinquency prevention in community programs administered by the public schools, social welfare, governmental agencies. A study of the categories of juvenile delinquency is applied to a critique of existing programs and to the development of experimental programs. The roles of professional workers pertinent to such programs is delineated with special reference to the public school administration, counselor, the social workers, the court, probation officers, and police. Prerequisite: consent of instructor.
- 489-7 (3,4). THE AMERICAN CORRECTIONAL SYSTEM; PROBATION, CLASSIFICATION, AND PAROLE. (a) A survey of the correctional field covering probation, institutions, and parole; their historical development, organizational structure, program content, and current problems. Some attention given to recent developments in foreign countries. (b) A review of the organizational patterns of probation and parole departments, the application of casework and counseling principles to the treatment of the individual offender, the use of community resources, and the results of recent research.
- 542-4. Seminar on the Family.

Department of Nursing

FACULTY OF NURSING

Professors Virginia H. Harrison (M.A., St. Louis University), Margaret T. Shay (M.A., New York University; *chairman*).

Associate Professor Mable G. Burton (M.P.H., Minnesota University).

Assistant Professors Carmin Jimison (M.S., Western Reserve), Mary R. Lenny (M.S., Washington University), Dorris C. Lippert (M.E., Illinois), Mary Joyce Parker (M.S., Indiana University).

Instructor Bernice R. Zich (M.Ed., St. Louis University).

The Bachelor of Science degree program in nursing is designed for students who wish to become registered nurses and for registered nurses, graduates of diploma or associate degree programs, who wish (1) to strengthen their scientific basis for nursing practice, (2) to broaden and deepen their general educational and cultural background, and (3) to obtain a baccalaureate degree to qualify for further study on the graduate level. Several hospitals, public health facilities, day care centers, public schools, and other agencies in the vicinity of the East St. Louis Center provide clinical experience for student nurses.

The Department of Nursing is approved by the Illinois Department of Registration and Education. Details concerning the bachelor's degree program in nursing at Southern appear in the Department of Nursing issue of the *Southern Illinois University Bulletin*.

Division of Technical and Adult Education

THE DIVISION OF TECHNICAL AND ADULT EDUCATION is represented on the Edwardsville Campus by the office of Industrial and Technical Programs. This office co-ordinates noncredit courses and the associate degree program offered by the University in the area. Its purpose is to serve the needs of the community for educational programs for adults. Special attention is given the needs of industry and business though, to a certain extent, general adult education courses are provided upon demand.

FACULTY OF TECHNICAL AND ADULT EDUCATION

Assistant Professor Emery R. Casstevens (B.S.E.E., U.S. Naval Academy; *supervisor*).
Instructor Dale F. Blount (B.S., Rockhurst).

ASSOCIATE IN BUSINESS DEGREE PROGRAMS

Each candidate for the Associate in Business degree must complete at least 96 hours of approved courses. Some programs may require more.

Each program is designed to give the student the skills he needs to perform a specific job or type of job in accounting, management, or secretarial work. These programs are for students who wish to prepare for initial positions in business, industry, and governmental offices. They include a combination of general-education and skill-building courses which provide a high degree of occupational competence.

Except for the specialization in management, which is available only in evenings, both a day program and an evening program are scheduled. Although a student may take courses at any time he chooses, the day program is planned for full-time students and the evening program is planned for part-time students.

ACCOUNTING

These courses, available both in the day program and in the evenings, offer thorough and practical training for a position as bookkeeper, payroll clerk, junior accountant, or assistant to senior accountants or to auditors. Positions with governmental agencies and in public accounting may also be filled by graduates.

Political Economy	GSB 211a-3	States Constitution and State of Illinois	
English Composition	GSD 101-6	Constitution	
Oral Communication of Ideas	GSD 103-3	Introduction to Business	
Elementary Accounting	Acct 251-12	Administration	Mgt 170-4
Tax Accounting	Acct 331-5	Business Writing	Mgt 271-4
Cost Accounting	Acct 341-3	Corporation Finance	Mgt 320-5
Advanced Accounting	Acct 351-12	Business Organization and	
Auditing	Acct 356-5	Management	Mgt 340-4
Advanced Cost Accounting	Acct 442-4	Business Law I	Mgt 371-4
Principles of Economics	Econ 210-5	Business Law II	Mgt 372-4
American Government	Govt 210-4	Credits and Collections	Mktg 334-4
or the required examination on United		Data Processing Mathematics	VTI E 100-5
		Calculating Machines	VTI K 101-3

MANAGEMENT

The specialization in management is designed for adults who have had some experience in work situations. It prepares its participants for positions such as unit supervisor, assistant superintendent, section head, and branch manager of small organizations. Applicants must be at least twenty-five years of age and have at least two years of full-time work experience at the time of entrance into the program.

Political Economy	GSB 211a-3	Business Writing	Mgt 271-4
English Composition	GSD 101-6	Corporation Finance	Mgt 320-5
Oral Communication of Ideas	GSD 103-3	Business Organization and	
College Algebra	GSD 114a-3	Management	Mgt 340-4
Elementary Accounting	Acct 251-12	Business Report Writing	Mgt 361-3
Principles of Economics	Econ 210-5	Business Law I	Mgt 371-4
Labor Problems	Econ 310-4	Business Law II	Mgt 372-4
American Government	Govt 210-4	Production Management	Mgt 380-4
or the required examination on United		Time and Motion Study	Mgt 382-3
States Constitution and State of Illinois		Personnel Management	Mgt 385-4
Constitution		Small Business	Mgt 472-4
Introduction to Business		Principles of Marketing	Mktg 230-5
Administration	Mgt 170-4	Data Processing	
Introduction to Data Processing	Mgt 240-4	Mathematics	VTI E 100a-5

GENERAL OFFICE SECRETARY

For students who wish to prepare for positions as secretaries in business, industrial, and governmental offices, these courses combine general education and skill-building to provide a high degree of occupational competence. They are offered in the day and evening programs.

Political Economy	GSB 211a-3	Introduction to Business	
English Composition	GSD 101-6	Administration	Mgt 170-4
Oral Communication of Ideas	GSD 103-3	Business Writing	Mgt 271-4
Elementary Accounting	Acct 251a-4	Business Report Writing	Mgt 361-3
Typewriting III	Bus Ed 201c-3	Business Law I	Mgt 371-4
Shorthand (or Stenograph)	Bus Ed 221-12	Personnel Management	Mgt 385-4
Typewriting IV	Bus Ed 304-3	Transcription	VTIS 105-4
Shorthand (or Stenograph)	Bus Ed 324-8	Filing and Duplicating	VTIS 107-2
Office Machines	Bus Ed 341-4	Co-operative Secretarial	
Office Management	Bus Ed 407-4	Experience	VTIS 214-10
Records Administration	Bus Ed 427-4	(except for those with approved work	
American Government	Govt 210-4	experience)	
or the required examination on United		Transcription	VTIS 221-4
States Constitution and State of Illinois		Secretarial Office Procedures	VTIS 223-5
Constitution		elective	

LEGAL SECRETARY

These courses provide a proper balance in the secretarial skills and in the special and general knowledge a trained legal secretary needs. Participants are prepared for positions as legal secretaries with attorneys, judges, and legal consultants. Courses are offered in both day and evening programs.

Political Economy	GSB 211a-3	Business Writing	Mgt 271-4
English Composition	GSD 101-6	Business Law I	Mgt 371-4
Oral Communication of Ideas	GSD 103-3	Business Law II	Mgt 372-4
Elementary Accounting	Acct 251a-4	Two-Voice Testimony	VTIH 210-4
Typewriting III	Bus Ed 201c-3	Transcription	VTIS 105-4
Shorthand (or Stenograph)	Bus Ed 221-12	Filing and Duplicating	VTIS 107-2
Typewriting IV	Bus Ed 304-3	Co-operative Secretarial	
Shorthand (or Stenograph)	Bus Ed 324-8	Experience	VTIS 214-10
Office Machines	Bus Ed 341-4	(except for those with approved work	
Records Administration	Bus Ed 427-4	experience)	
American Government	Govt 210-4	Secretarial Office Procedures	VTIS 223-5
or the required examination on United		Legal Dictation Shortcuts	VTIS 224-5
States Constitution and State of Illinois		Medical Dictation I	VTIS 225a-5
Constitution		Medical Transcription I	VTIS 226a-2
Introduction to Business		Legal Transcription	VTIS 230-2
Administration	Mgt 170-4		

MEDICAL SECRETARY

These courses, offered evenings and days, lead to such positions in the medical field as receptionist-secretary, X-ray secretary and record clerk, hospital records clerk, and secretary in the office of a physician, dentist, or hospital.

Man's Biological Inheritance	GSA 201-6	Introduction to Business	
Political Economy	GSB 211a-3	Administration	Mgt 170-4
English Composition	GSD 101-6	Business Writing	Mgt 271-4
Oral Communication of Ideas	GSD 103-3	Introduction to Physiology	VTI G 141-5
Elementary Accounting	Acct 251a-4	Transcription	VTI S 105-4
Typewriting III	Bus Ed 201c-3	Filing and Duplicating	VTI S 107-2
Shorthand (or Stenograph)	Bus Ed 221-12	Co-operative Secretarial	
Typewriting	Bus Ed 304-3	Experience	VTI S 214-10
Shorthand (or Stenograph)	Bus Ed 324-8	(except for those with approved work	
Office Machines	Bus Ed 341-4	experience)	
Records Administration	Bus Ed 427-4	Transcription III	VTI S 221-2
American Government	Govt 210-4	Secretarial Office Procedures	VTI S 223-5
or elective plus the required examination		Medical Dictation	VTI S 225-10
on United States Constitution and State		Medical Transcription	VTI S 226-4
of Illinois Constitution			

COURSE DESCRIPTIONS

Descriptions of courses appear in this bulletin in the section devoted to the Business Division, except that all GS courses are described in the General Studies bulletin, and VTI courses are described in the Division of Technical and Adult Education bulletin.

*TYPICAL ADULT EDUCATION PROGRAMS**INDUSTRIAL MANAGEMENT PROGRAM*

Designed to give present and future foremen and supervisors some of the skills and information they need for improved job performance, this program of noncredit evening courses leads to the two-year certificate in industrial management. Successful completion of eight of the following courses is required. They are offered once each week for ten to twelve weeks.

Industrial Safety	Material Handling
Practical Psychology for	Quality Control for Foremen
Supervisors I and II	Basic Industrial Metallurgy I and II
Effective Speaking for Supervisors	Industrial Engineering for Foremen
I and II	Motion Analysis and Time Study

The Supervisor and His Job
 Labor-Management Relations
 Current Labor Law
 Industrial Report Writing
 Economics of Industry
 Cost Control for Foremen

Reading Improvement
 Effective Management
 Logic
 Illinois Labor Law
 Basic Supervision in the Meat
 Industry

IN-PLANT PROGRAM

On request from industry, courses from the industrial management program may be offered in-plant to accommodate foremen or supervisors who cannot attend the evening program because of shift work or other reasons. Special programs may be developed to meet the unique problems of a particular industry or present courses or programs may be adapted for presentation in-plant. Consultation and advice on the total training needs of plants is given on request.

In addition to adaptations of courses from the industrial management program, the following courses have been presented:

Creative Literature	Management Problems
Metallurgy of Steelmaking	Management Planning
Coaching and Counseling	Management Practices
Coaching for Staff Supervisors	Economic Background for Citizenship
Safety Programs	Speech Techniques
Safety Meeting Procedures	Foremen Development

TRAFFIC MANAGEMENT PROGRAM

The traffic management program is a course of study whose purpose is to prepare candidates for the examinations leading to certification by the American Society for Traffic and Transportation and for the Interstate Commerce Commission Practitioners examination.

Noncredit courses included in the program are:

Rates and Tariffs I, II	Interstate Commerce Law I, II
Traffic Management	

Credit courses included in the program are:

Management 170-4,	Introduction to Business Administration
Government 210-4,	American Government
Economics 210-5,	Principles of Economics
General Studies Area B 211a-3,	Political Economy
Geography 304-5,	Economic Geography
Marketing 230-5,	Principles of Marketing
Management 340-4,	Business Organization and Management
Marketing 341-4,	Transportation

DEVELOPMENT PROGRAM FOR MIDDLE MANAGEMENT

This is a program for department heads, superintendents, general foremen, and the heads of small businesses which are production-oriented. These men meet for dinner once per week having a one-and-one-half-hour discussion with a recognized authority on a given subject before dinner and a different one after dinner. The subjects are grouped into four broad categories and are tied together by a co-ordinator into an integrated program. Categories are fundamentals of management, manpower management, business conditions and the manager, and administrative policy and procedure. Enrollment is limited.

MISCELLANEOUS SHORT COURSES

To meet special needs for adult education, additional courses are sometimes developed.

One category of these miscellaneous programs is radio-television. The following subjects have been covered in this category.

Goals for Americans WIBV, Belleville
Reading Improvement WSIU-TV, Carbondale and KETC-TV, St. Louis
In addition, the Reading Improvement course has been taped for future presentation.

Workshops are arranged on occasion. The following are representative of the workshops presented in the past:

Junior Art Workshop	Waterworks Operators Workshop
Summer Theater Workshop	Home Helpers Workshop

Special purpose programs help organizations meet their specific needs. Usually these programs are specially developed for the unique requirements of individual organizations. Typical are:

One Day Conference for Small Business	Training Employees on the Job—City of Alton
One Day Conference on Coaching and Counseling	Parent-Child Relationships
Conference Leadership—League of Women Voters	Creative Selling
One Day Conference on Industrial Safety	Union Leadership—United Steel Workers

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Southern Illinois University Foundation

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Southern Illinois University

Bulletin



College of Liberal Arts and Sciences

CARBONDALE CAMPUS 1964-66

Objectives of Southern Illinois University

TO EXALT BEAUTY

IN GOD,
IN NATURE,
AND IN ART;
TEACHING HOW TO LOVE THE BEST
BUT TO KEEP THE HUMAN TOUCH;

TO ADVANCE LEARNING

IN ALL LINES OF TRUTH
WHEREVER THEY MAY LEAD,
SHOWING HOW TO THINK
RATHER THAN WHAT TO THINK,
ASSISTING THE POWERS
OF THE MIND
IN THEIR SELF-DEVELOPMENT;

TO FORWARD IDEAS AND IDEALS

IN OUR DEMOCRACY,
INSPIRING RESPECT FOR OTHERS
AS FOR OURSELVES,
EVER PROMOTING FREEDOM
WITH RESPONSIBILITY;

TO BECOME A CENTER OF ORDER AND LIGHT

THAT KNOWLEDGE MAY LEAD
TO UNDERSTANDING
AND UNDERSTANDING
TO WISDOM.

College of Liberal Arts and Sciences

Announcements for 1964-1966



SOUTHERN ILLINOIS UNIVERSITY BULLETIN
Volume 6 Number 13 September 30, 1964
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General Information
General Studies and AF ROTC
Financial Assistance
Summer Session (Carbondale)
Summer Session (Edwardsville)
Schedule of Classes (Carbondale)
Schedule of Classes (Edwardsville)
Divisional Announcements (Edwardsville)
Graduate School
College of Education
College of Liberal Arts and Sciences
School of Agriculture
School of Business
School of Communications
School of Fine Arts
School of Home Economics
School of Technology
Division of Technical and Adult Education
Department of Nursing

All intending students should have the General Information bulletin (issued once a year), plus the special bulletins of the various educational units in which they are most interested.

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This Bulletin

covers in detail questions concerning the College of Liberal Arts and Sciences. It does not cover all questions concerning Southern Illinois University. For complete information about the University, please refer to the General Information bulletin.

This issue supersedes Volume 3, Number 11.

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University Calendar, 1965-1966

SUMMER QUARTER, 1965

Quarter Begins	Monday, June 21
Independence Day Holiday	Monday, July 5
Final Examinations	Monday-Saturday, August 23-28
Commencement (Edwardsville)	Saturday, August 28
Commencement (Carbondale)	Sunday, August 29

FALL QUARTER, 1965

New Student Week	Sunday-Tuesday, September 19-21
Quarter Begins	Wednesday, September 22
Thanksgiving Vacation	Wednesday, 12 Noon-Monday, 8 A.M. November 24-29
Final Examinations	Monday-Saturday, December 13-18

WINTER QUARTER, 1966

Quarter Begins	Monday, January 3
Final Examinations	Monday-Saturday, March 14-19

SPRING QUARTER, 1966

Quarter Begins	Wednesday, March 23
Memorial Day Holiday	Monday, May 30
Final Examinations	Thursday-Wednesday, June 2-8
Commencement (Edwardsville)	Thursday, June 9
Commencement (Carbondale)	Friday, June 10

Classes begin on the second day of the quarter, except that the evening classes (5:45 P.M. or later) on the Carbondale Campus begin on the first night of the quarter.

University Calendar, 1966-1967

SUMMER QUARTER, 1966

Quarter Begins	Monday, June 13
Independence Day Holiday	Monday, July 4
Final Examinations	Monday–Saturday, August 22–27
Commencement (Carbondale)	Saturday, August 27
Commencement (Edwardsville)	Sunday, August 28

FALL QUARTER, 1966

New Student Week	Sunday–Tuesday, September 18–20
Quarter Begins	Wednesday, September 21
Thanksgiving Vacation	Wednesday, 12 Noon–Monday, 8 A.M. November 23–28
Final Examinations	Monday–Saturday, December 12–17

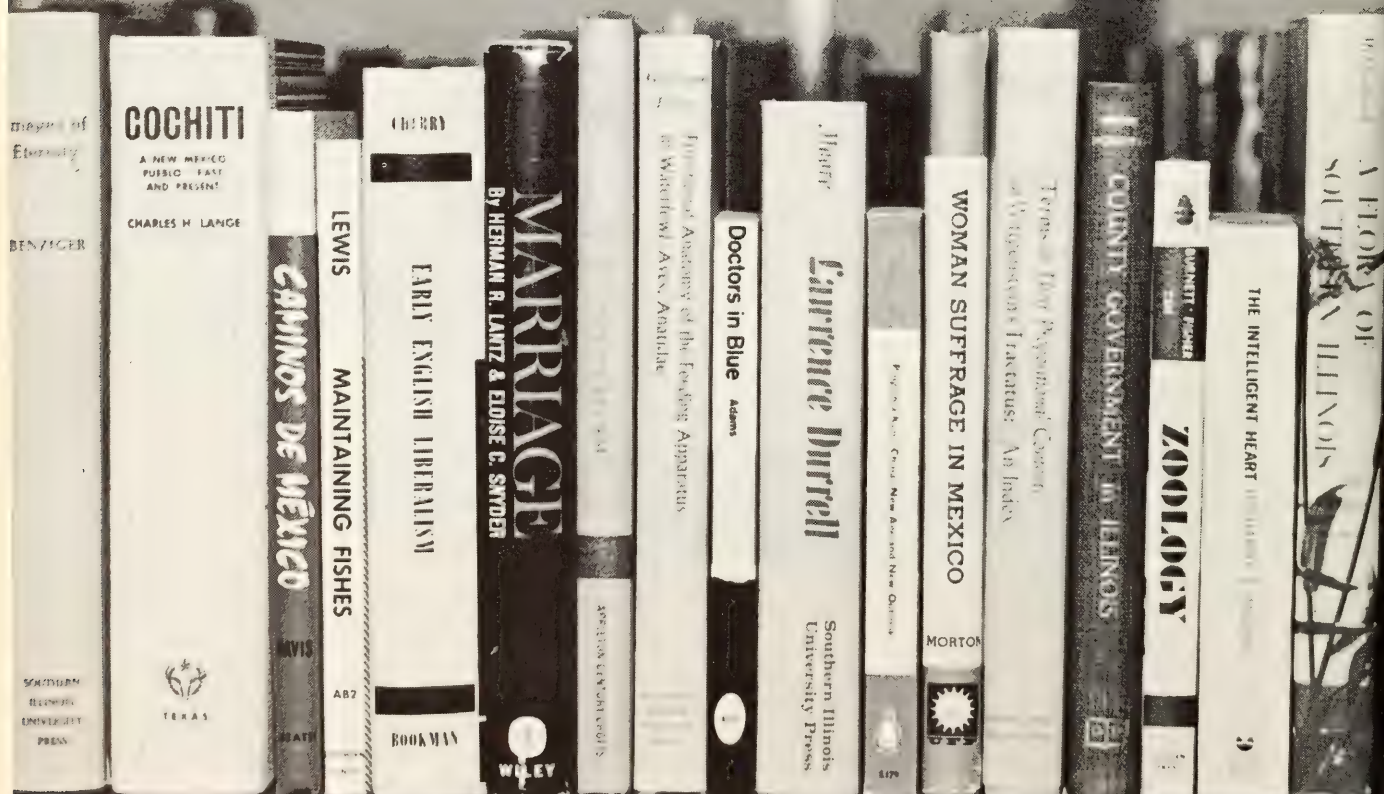
WINTER QUARTER, 1967

Quarter Begins	Monday, January 2
Final Examinations	Monday–Saturday, March 13–18

SPRING QUARTER, 1967

Quarter Begins	Wednesday, March 22
Memorial Day Holiday	Tuesday, May 30
Final Examinations	Thursday–Wednesday, June 1–7
Commencement (Carbondale)	Thursday, June 8
Commencement (Edwardsville)	Friday, June 9

Classes begin on the second day of the quarter, except that the evening classes (5:45 P.M. or later) on the Carbondale Campus begin on the first night of the quarter.



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ILLINOIS
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ZOOLOGY

College of Liberal Arts and Sciences

SOUTHERN ILLINOIS UNIVERSITY was established in 1869 as Southern Illinois Normal University. The shortened name became official in 1947 by action of the state legislature. The University now operates two major campuses, located at Carbondale and Edwardsville.

The College of Liberal Arts and Sciences was established in 1943, with sixteen departments. The college has continued to strengthen its program until at the present time its departments number seventeen in addition to several special study areas.

OBJECTIVES

The College of Liberal Arts and Sciences provides for specialized education in the fields of instruction covered by its departments. The college also is a service instructional unit for other colleges, schools, and institutes contributing both to the specialized and general education of their students.

A liberal arts education attempts to develop individuals with minds which are capable of seeking and evaluating; which are adaptable and independent.

FACILITIES

Owing to its geological history and location, the Southern Illinois area is richly endowed floristically and faunistically, so that the area is outstanding for studies in the biological and earth sciences. A group of three

greenhouses, a headhouse, and a herbarium of about 30,000 specimens are added special facilities for the biological sciences.

The antiquity of the land and its early occupancy by people make the area an excellent place for the study of archaic cultures. The more recent past is also rich historically.

Available for use by the physical and natural sciences and also other departments of the University are two electron microscopes. Electronic computing machines are available in the Data Processing and Computing Center, and their uses and operation are taught in some mathematics courses.

PROGRAMS OF INSTRUCTION

DEGREE PROGRAMS

The College of Liberal Arts and Sciences grants the Bachelor of Arts degree with the following majors and minors. Suggested programs appear in the next chapter of this bulletin.

Anthropology	Geography	Philosophy
Art ¹	Geology	Physics
Asian Studies ²	Government	Physiology
Biological Sciences ³	Health Science ^{3,4}	Psychology
Botany	History	Religion ²
Central European Studies ²	Home Economics ¹	Russian Studies ²
Chemistry	Inter-American Studies ^{3,4}	Sociology
Economics ¹	Mathematics	Speech ¹
English	Microbiology	Theater ¹
Foreign Languages	Music ¹	Zoology

PREPROFESSIONAL PROGRAMS

A student planning to take preprofessional courses in any of the following areas should, after completing the General Studies program, register in the College of Liberal Arts and Sciences:

¹ These are liberal arts majors, not professional majors. Course descriptions and suggested curricula appear in the following issues of the *Southern Illinois University Bulletin*: School of Fine Arts for art and music, School of Business for economics, School of Home Economics for home economics, School of Communications for speech and theater.

² Minors only.

³ Students who elect to major in these fields are not required to offer a minor for graduation. These programs constitute both major and minor.

⁴ Majors only; no minors offered in these fields.

Dentistry	(3 or 4 years)	Pharmacy	(1 to 4 years)
Law	(3 or 4 years)	Physical Therapy	(2 or 3 years)
Medical Illustration	(4 years)	Public Health	(3 or 4 years)
Medical Technology	(2 or 3 years)	Theology	(2 to 4 years)
Medicine	(3 or 4 years)	Veterinary Science	(3 or 4 years)
Occupational Therapy	(2 or 3 years)		

The School of Agriculture offers three more preprofessional programs.

A preprofessional student may obtain, subject to certain conditions, a bachelor's degree after three years' work (144 quarter-hours) at Southern and one or more years' work in a professional school. During the three years of residence at Southern he should complete all requirements other than elective hours for the bachelor's degree which he is seeking. In some cases, one may complete major and minor requirements by taking certain courses at the professional school, but this is permitted only upon the prior approval of the appropriate department chairman. Also, there needs to be completion of at least one year of professional work with acceptable grades in a Class A medical school, a Class A dental school, a Class A veterinary school, or an approved law school. In every case, all university graduation requirements must be met. It is advisable for a student interested in this program to make his decision to seek a bachelor's degree long before entering the professional school so that any questions may be clarified at an early date.

DENTISTRY, MEDICAL ILLUSTRATION, MEDICAL TECHNOLOGY, MEDICINE, OCCUPATIONAL THERAPY, PHARMACY, PHYSICAL THERAPY, VETERINARY SCIENCE

Professor Harold M. Kaplan is the chairman of a medical advisory committee established to advise all students planning to enter medical school or dental school or to train themselves for careers in related fields.

Each such student should plan his curriculum very carefully. He will need at least two years' work in chemistry, including some qualitative and some organic chemistry, and one year of biology (zoology). If he is not expecting to receive a degree from Southern, he will not necessarily be held to all the requirements for the bachelor's degree at this University; he must, on the other hand, keep constantly in mind the requirements for admission and the later required courses in the special school which he wishes to attend. Each student should write for the catalog of the professional school he plans to enter. Every student should consult the preprofessional advisers, preferably at or before matriculation and periodically thereafter.

LAW

Four years of college studies, with the Bachelor of Arts degree, is the normal preparation for entrance to a law school, although one encounters such variants as institutions that will admit students who have had only three years of college. Law touches practically every human interest, and there is consequently no specific curriculum that constitutes *the* pre-legal program of studies. Instead, one should concentrate on obtaining a good understanding of many facets of human endeavor, cultivating an ability to analyze complex situations, and developing skill in oral and written communication. Guidelines by way of alternative indications of what constitutes a suitable pre-legal curriculum are offered below.

A lawyer needs to possess a broad understanding of the social institutions of his day and of the past from which these were derived. In terms of an undergraduate major and minor, this might well dictate choices from among economics, government, history (especially American and English), and sociology. Both the subject-matter content and the methodology of these disciplines contribute toward a firm foundation for law study.

The importance of clarity and logic in thought processes, plus the special interests of the student, will motivate some to concentrate in fields where the subject matter seems less directly related to the practice of law. Mathematics, philosophy (including logic), foreign languages, and the sciences are all recognized by law schools as useful foundations for the study of law and as being particularly valuable in some of the specializations, such as patent law, in which the practicing attorney may engage.

Still other course selections are indicated by the fact that words are a lawyer's basic tools, reflecting both factual knowledge and thought processes. Courses in composition and speech, and participation in debate activities on an extra-curricular basis, will serve the prospective lawyer well. Moreover, a good basic knowledge of accounting will be found useful when dealing with tax matters and various aspects of business.

The obvious desirability of having some acquaintance with many fields of study should not be carried to a point where one's program is unduly fragmented, touching only lightly on many subjects. Mastery in depth of some subject the student finds intellectually stimulating is an important educational experience.

Most law schools require each prospective student to have taken the Law School Admission Test, which attempts to measure his aptitudes for the study of law, his facility in written communication, and the extent of

his general background preparation. The test is ordinarily taken during the senior year and is given on this campus. The application forms, along with details as to the time and nature of the test, can always be obtained from Law School Admission Test, Educational Testing Service, 20 Nassau Street, Princeton, New Jersey.

PUBLIC HEALTH

The health science curriculum is a preprofessional course designed to meet the current demand for trained personnel in the public health fields. Planned specifically for those students interested in public health sanitation and public health laboratory work, the curriculum crosses departmental boundaries to give one a good basic background in the sciences and social studies. Students with good academic records in this program should have no difficulty in securing admission to a school of public health for graduate work.

The curriculum is sufficiently broad to accommodate students who are interested in premedical or predental careers. Sufficient electives are provided so that minors can be worked out in chemistry or zoology.

THEOLOGY

Any student who plans to enter a graduate theological seminary should consult his clergyman or his major professor at the earliest possible date. He should obtain a catalog of the seminary he plans to enter and prepare himself to meet its specific entrance requirements. The American Association of Theological Schools, which is the accrediting agency accepted by most theological schools, suggests a broad, basic education with an emphasis upon ability to think, speak, and write clearly and correctly. No undergraduate major in religion is offered at Southern Illinois University, but the American Association of Theological Schools believes that such undergraduate specialization is not usually desirable. One may, however, present a minor in religion. Among suitable majors leading to the required bachelor's degree are philosophy, history, sociology, and English.

The American Association of Theological Schools regards the following as a minimum list of fields of study that a student should have before beginning study in a seminary. The work in these fields should be evaluated on the basis of his mastery of these fields rather than in terms of hours of credit. That this recommendation may help the student who is faced with the practical problem of selecting courses, however, it is suggested that he take approximately three-fourths of his college work in the following specific areas:

English.—literature, composition, speech, and related studies.

History.—ancient, modern European, and American.

Philosophy.—orientation in history, content and method.

Natural sciences.—preferably physics, chemistry, and biology.

Social studies.—psychology, sociology, economics, political science, anthropology, education.

Foreign languages.—one or more years of: Latin, Greek, Hebrew, German, French.

Religion.—The pretheology student may well seek counsel of the seminary of his choice in order to use the resources of his college most profitably. Attention is also called to religion courses offered for credit by the off-campus foundations and to the courses in philosophy of religion, sociology of religion, and world religion offered on campus.

AREA STUDIES COMMITTEES

In addition to the regular departments of instruction, the college offers inter-disciplinary programs in African, Asian, Central European, and Russian studies, supervised by special permanent committees. These reflect the college's desire to encourage special programs outside the traditional departmental field, and similar inter-disciplinary programs are being developed in other areas. These programs are described in the next chapter of this bulletin. Any student planning to work in one of these areas should consult the appropriate committee chairman, or the office of the College of Liberal Arts and Sciences.

PUBLIC AFFAIRS RESEARCH BUREAU

First organized as a Local Government Center in 1951, the Public Affairs Research Bureau was approved as an agency of the College of Liberal Arts and Sciences by the Board of Trustees effective July 1, 1958.

The bureau concerns itself with making available certain findings of its staff to various agencies such as public schools, municipalities, business organizations, state and federal government and others in a position to apply these findings in the public interest.

PINE HILLS FIELD STATION

The Pine Hills Field Station is located in the Pine Hill section of the Shawnee National Forest. The 500 acres, under supervision of the University, transects a portion of both the Illinois Ozarks and the Mississippi

flood plain. The rich and diversified flora and fauna of the region have no equal in the mid-Mississippi valley, with 100 species of mosses, 950 species of vascular plants, 125 species of fishes, 25 species of amphibians, 45 species of reptiles, 170 species of birds, and 36 species of mammals.

The station is being developed as a regional resource open to all qualified persons interested in graduate or independent research. For information, write: Chief, Pine Hills Field Station, Southern Illinois University, Carbondale, Illinois 62903.

STUDENT ORGANIZATIONS AND ACTIVITIES

Several academic departments have clubs or other interest groups to allow majors in special areas to become better acquainted with one another and with faculty members and to investigate further their special interests. The following departments have clubs: anthropology, botany, chemistry, English, foreign language (Spanish and German), government (International Relations Club, Young Democrats Club, Young Republicans Club), geology, history, philosophy, and psychology. The following departments have national honors societies: mathematics (Pi Mu Epsilon), government (Pi Sigma Alpha), geography (Gamma Theta Upsilon). The chemistry department has a student affiliate of the American Chemical Society.

In the college there is a Liberal Arts Honors Society, and students of the college qualifying scholastically are eligible for membership in Phi Kappa Phi.

The College of Liberal Arts and Sciences encourages a broad student activity program with opportunities for all students to participate. The many organizations augment the student's educational experiences by assisting him in learning how to plan and carry out responsibilities, how to work with others, how to make wise use of leisure time, and how to develop leadership.

Additional information about student organizations and activities appears in the student handbook *Your Life, Southern Style*, available from the Student Affairs Office, and in the General Information issue of the *Southern Illinois University Bulletin*.

ADMISSION TO THE COLLEGE

Inquiries concerning admission to the college should be addressed to the Admissions Office. Application for admission should be initiated at least thirty days in advance of the desired entrance date. High school

seniors should start the admission process during the first semester of their senior year, but their formal admission will not be considered until after receipt of the high school record showing completion of the seventh semester of high school work.

Freshmen and students who transfer fewer than 90 hours of acceptable credit are admitted to General Studies. Students in General Studies are eligible to petition for admission to the College of Liberal Arts and Sciences when they have completed 75 hours of work. Transfer students who entered Southern with more than 75 hours but who were admitted to General Studies may petition for admission to the college after one quarter's attendance.

COMPLETE DETAILS concerning admission, tuition, fees, housing, degree requirements, and student employment are given in the General Information bulletin. For a free copy write to Central Publications, Southern Illinois University, Carbondale, Illinois 62903.

TUITION AND FEES

At the present time legal residents of Illinois registered for more than eight hours of credit pay a total of \$65.50 per quarter. This includes \$42 tuition, an \$8 book rental fee, a \$5 student union building fund fee, and a \$10.50 student activity fee. Out-of-state students pay an additional \$80 tuition, or a total of \$145.50. Students registered for eight hours or fewer pay one-half tuition, one-half book rental fee, and full student union building fund fee; they have the option of paying the student activity fee.

ADVISEMENT

To insure that an undergraduate student is properly advised concerning the course of study which will fulfill the general University requirements and help him meet his particular educational objective, a program of academic advisement is provided by a selected group from the teaching faculty.

Freshmen and sophomores are advised by advisers under the direction of the executive offices of General Studies, although they may consult with departmental representatives regarding various majors offered by the col-

lege. After a student is admitted to the College of Liberal Arts and Sciences, he is assigned to a specific college adviser under the direction of the dean. In addition, many departments also assign students to a departmental adviser for specific help with selecting courses in the major. The total program is co-ordinated to help the student move easily from the general program to an area of specialization.

Academic advisers are available to help students understand various academic requirements, select appropriate electives, and develop long range educational and vocational plans. A qualified student who has registered at least one time in the college and has a plan of study is encouraged to participate in self advisement for succeeding quarters, checking with an adviser only when he needs help with some change in plans.

REQUIREMENTS FOR THE BACHELOR'S DEGREE

Each candidate for the degree must complete a minimum of 192 hours of credit in approved courses. At least 64 must be in senior college courses, of which 48 must be earned at Southern, 16 of which may be earned in extension from Southern. Each student must have a C average, and grades not lower than C in subjects aggregating at least three-fourths of the work. A C average is required in the major subject. These averages are required for the credit made at Southern as well as for the total record.

The *quarter hour* is the unit of credit used at Southern and throughout this bulletin. One quarter hour is two-thirds of a semester hour.

Every bachelor's degree candidate is expected to meet the University's general requirements and to follow the recommendations of the academic unit in which he intends to do his major work.

For a complete statement of the University's general requirements for a bachelor's degree, please refer to the section headed "Degrees" in the General Information issue of the *Southern Illinois University Bulletin* and to the General Studies issue. The General Studies program is outlined below.

OUTLINE OF GENERAL STUDIES REQUIREMENTS

<i>Area A: Man's Physical Environment and Biological Inheritance....</i>	<i>24 hours</i>
A first-level basic sequence	9 hours
A second-level continuation sequence	9 hours
Third-level advanced courses	6 hours
<i>Area B: Man's Social Inheritance and Social Responsibilities</i>	<i>24 hours</i>

A first-level basic sequence	9 hours
A second-level continuation sequence	9 hours
Third-level advanced courses	6 hours
<i>Area C: Man's Insights and Appreciations</i>	24 hours
A first-level basic sequence	9 hours
A second-level continuation sequence	9 hours
Third-level advanced courses	6 hours
<i>Area D: Organization and Communication of Ideas</i>	18 hours
Required college composition and speech	9 hours
Either a foreign language sequence or a basic mathematics sequence	9 hours
<i>Area E: Health and Physical Development</i>	6 hours
First-level required physical education	3 hours
Second-level required health education	3 hours
<i>Total</i>	96 hours
If a General Studies sequence is waived, the total is only 87 hours.	

COLLEGE OF LIBERAL ARTS AND SCIENCES REQUIREMENTS

In addition to the above requirements, a candidate for a degree in the College of Liberal Arts and Sciences must have the following:

1. A reading knowledge of a foreign language. This may be satisfied by having satisfied the General Studies foreign language requirement, or the equivalent.

2. Competency in English as demonstrated by completion of specified courses or by passing the Undergraduate English Qualifying Examination.

3. A major of at least 42 hours and a minor of at least 24 hours. All requirements for the major must be satisfied. A list of majors and minors appears on page 2.

In the curricula suggested in the final chapter of this bulletin, reference is made to College of Liberal Arts and Sciences requirements. The 33 hours entered for each such reference include requirement 1, above, and the 24-hour minor. If only 9 hours are entered, courses for the minor are specified in the curriculum.

TEACHING CERTIFICATE

Students enrolled in the College of Liberal Arts and Sciences may meet the state requirements for a high school teaching certificate by using as their electives certain prescribed courses in the College of Education. The high school certificate is valid for four years for teaching in grades six

through twelve of the common schools, renewable in periods of four years upon successful teaching and professional growth satisfactory to the county superintendent of schools.

A student should consult with an adviser as early as possible in his academic career to learn the certification requirements under which he will graduate. He should also familiarize himself with the requirements for admission to student teaching, which are stated in the College of Education bulletin, and make application for this course several quarters before he hopes to do the work.

At the present time the State of Illinois requires all candidates for a secondary teacher's certificate to present evidence that they know the provisions and principles of the Constitution of the United States and of the State of Illinois and to complete professional education courses in educational psychology (Guidance 305), methods and techniques of teaching on the secondary level (Secondary Education 315 or a teaching methods course in the field of specialization), history and principles of secondary education (Secondary Education 310), student teaching, and a certain number of electives.

The student should see the College of Education bulletin for a precise listing of courses required for the standard state certificate and the standard special certificate.

Instructional Units

Courses numbered 100–199 are primarily for freshmen; 200–299 for sophomores; 300–399 for juniors and seniors; and 400–499 for seniors and graduate students. Courses numbered above 499 are for graduate students only and can be offered for undergraduate credit only under special circumstances.

Many courses extend over a period of two or more quarters. The hours of credit per quarter are indicated in parentheses following the course number and total credit. For example, Chemistry 305–8 (4,4) indicates a two-quarter course, four hours of credit per quarter.

Three letters before a course number (e.g. GSA 340 on page 19) mean the course is described in the General Studies bulletin and only titled here.

AFRICAN STUDIES

Although a number of courses concerned with Africa are offered, they are insufficient in hours of credit to permit a minor at this time. The African Studies Committee can give information about the courses available and can also supply advice and assist research on African subjects with its bibliographical and documentary materials. Address the chairman of the committee, Department of Anthropology, Southern Illinois University, Carbondale, Illinois 62903.

ANTHROPOLOGY

Professors Philip J. C. Dark (Chairman), John C. Kelley, Charles H. Lange, Walter W. Taylor.

Associate Professors Pedro Armillas, Melvin L. Fowler, Carroll Riley.

Assistant Professor Bruce MacLachlan.

Instructor Rodger Heglar.

All the major divisions of anthropology are covered, viz. archaeology, ethnology, social anthropology, linguistics, and physical anthropology. Faculty members of the department have had field experience in North, South, and Central America, the Caribbean, Europe, Africa, and the Pacific. Faculty specialization in and field experience of northern Mexico are especially strong. Emphasis is also given to the anthropology of Southern Illinois with special attention to archaeological studies.

SUGGESTED CURRICULUM IN ANTHROPOLOGY

BACHELOR OF ARTS DEGREE, COLLEGE OF LIBERAL ARTS AND SCIENCES

<i>General Studies Requirements</i> (See page 9.)	96
<i>Air Science Requirement</i> (See the General Information bulletin.)	3
<i>College of Liberal Arts and Sciences Requirements</i> (See page 10.)	33
<i>Requirements for the Major in Anthropology</i>	60
Anthropology 300, 303, 304, 9 hours from 305 and/or 306, 400, 401, 404, 405, 408, 409	42
At least 3 hours in each of the following: geography, geology, philosophy, psychology, sociology, and zoology	18
<i>Total</i>	192

Majors are expected to familiarize themselves with the contents of certain basic anthropological publications, whether these fall within the required courses or not. A list of these publications will be provided, and the student is expected to work out a reading program under the supervision of his adviser.

MINOR

A minor in anthropology consists of Anthropology 300, 304, 400, 409, and 10 hours in courses above 300. The student is advised to consult the department before selecting his electives.

COURSE DESCRIPTIONS

- 300-3 PHYSICAL ANTHROPOLOGY. Man as a biological being, his relationships to other living things. Human origins and development. Concept of race and the races of mankind. Human genetics and normal human variation.
- 303-3 OLD WORLD PREHISTORY. A survey of man's earliest cultural beginnings. Paleolithic and Neolithic periods in Europe, Africa, the Near East, and Asia.
- 304-3 THE ORIGINS OF CIVILIZATION. A study of the complex environmental and cultural factors that led to the rise and fall of early high-cultures in both the Old and New Worlds.

- 305-9 (3, 3, 3) PEOPLES AND CULTURES OF THE WORLD I. The biological and cultural history of man in (a) North America, (b) Asia, and (c) Oceania from early times to the present.
- 306-9 (3, 3, 3) PEOPLES AND CULTURES OF THE WORLD II. The biological and cultural history of man in (a) South America, (b) Europe, and (c) Africa from early times to the present.
- 400-4 MAN AND CULTURE. The nature of culture and cultural process. Relationships of culture and man as an individual and as a group. Emphasis on "the anthropological point of view."
- 401-4 LANGUAGE IN CULTURE. Language as a part of culture. Linguistics and the study of culture.
- 404-4 PRIMITIVE ART AND TECHNOLOGY. The development of man as a tool-using and art-loving being. Artistic and technological traditions of non-Western peoples, past and present.
- 405-4 SOCIAL ANTHROPOLOGY. A comparative approach to the organizational features of human groups. Functional aspects and distributions of kinship, political, religious, and economic systems.
- 408-4 HISTORY OF ANTHROPOLOGICAL THOUGHT. The growth of Anthropology to about 1860, followed by a more intensive survey of the concepts and ideas of anthropology during the past hundred years.
- 409-4 ANTHROPOLOGY AND MODERN LIFE. The applications of anthropological principals to the solution of problems of the modern world. Contributions of anthropology to the work of the educator, social worker, administrator, business man, government official, and other specialists dealing with man in Western and non-Western cultures.
- 483-3 to 18 INDIVIDUAL STUDY IN ANTHROPOLOGY. Guided study upon anthropological problems. Students should consult the department before enrolling.
- 501-9 (3, 3, 3) Pro-seminar in Physical Anthropology.
- 503-9 (3, 3, 3) Pro-seminar in Archaeology.
- 505-9 (3, 3, 3) Pro-seminar in Linguistics.
- 507-9 (3, 3, 3) Pro-seminar in Social Anthropology.
- 509-9 (3, 3, 3) Pro-seminar in Ethnology.
- 510-3 to 27 Seminar in New World Archaeology.
- 511-3 to 27 Seminar in Meso-American Archaeology.
- 512-3 to 27 Seminar in Old World Archaeology.
- 520-3 to 27 Seminar in the Ethnology of the New World.
- 521-3 to 27 Seminar in the Ethnology of Meso-America.
- 522-3 to 27 Seminar in the Anthropology of Oceania.
- 523-3 to 27 Seminar in the Anthropology of Africa.
- 524-3 to 27 Seminar in the Anthropology of Europe.
- 535-3 to 27 Seminar in Physical Anthropology.
- 545-3 to 27 Seminar in Linguistics.
- 550-3 to 27 Seminar in the Cultures of Latin America.
- 560-3 to 27 Seminar in Comparative Social Organization.
- 562-3 to 27 Seminar in the Anthropology of Contemporary Peoples.
- 565-3 to 27 Seminar in Cultural Change and Development.
- 567-3 to 27 Seminar in Anthropological Theory and Method.
- 570-3 to 27 Seminar in Art and Technology.
- 575-3 to 27 Seminar in the Individual and Culture.

581-3 to 27 Seminar in Anthropology.
582-3 to 27 Problems in Archaeology.
584-3 to 27 Problems in Cultural Anthropology.
585-3 to 27 Readings in Anthropology.
597-3 to 27 Fieldwork in Anthropology.
599-3 to 9 Thesis.
600-1 to 48 Dissertation.

ART

The Department of Art in the School of Fine Arts offers specialization in art history for students in the College of Liberal Arts and Sciences. Consult the department chairman for curriculum planning.

If a student in the College of Liberal Arts and Sciences wishes to minor in art, he should choose his minor from one of the five specialized minors in art history, crafts, painting, prints, and sculpture and consult with the department adviser for the area. These specialized minors do not fulfill requirements for the teaching of art. A complete list of courses offered by this department and course descriptions are to be found in the bulletin of the School of Fine Arts.

ASIAN STUDIES

A minor in Asian studies is offered within the College of Liberal Arts and Sciences. To qualify for this minor, a student must present a minimum of 30 hours to be chosen from at least three departments from a list of offerings approved by the Committee on Asian Studies. Not more than 12 hours may be taken in any one department. The approved courses cover areas of instruction in agriculture, anthropology, art, economics, foreign language, geography, government, history, and philosophy.

For a leaflet describing the program in Asian studies, write to the Chairman, Committee on Asian Studies, Southern Illinois University, Carbondale, Illinois 62903.

BIOLOGICAL SCIENCES

The curriculum is designed to give the student a broad training in the biological sciences or to prepare him for teaching biology in the high school. Courses in allied fields of science are included to provide a background for complete understanding of the biological sciences.

During his freshman year, any student following this program (in either college) should consult the chairman of the Department of Botany or of the Department of Zoology. A detailed curriculum is available in the departmental office.

BACHELOR OF ARTS DEGREE, COLLEGE OF LIBERAL ARTS AND SCIENCES

<i>General Studies Requirements</i> (See page 9.)	87
<i>Air Science Requirement</i> (See the General Information bulletin.)....	3
<i>College of Liberal Arts and Sciences Requirements</i> (See page 10.)	9
This curriculum includes the major and the minor.	
<i>Requirements for the Major in Biological Sciences</i>	72
General Studies Area A 201-9, 301-4	(13)
General Studies Area D 108-9 or 114-9	(9)
Botany 300, 313	6
Chemistry 111-15 (or GSA 101-9 with Chemistry 101b,c and 350)	15
Microbiology 301	5
Zoology 102, 103	10
Additional hours of concentration in any one of the four biology departments	30
Electives in biology	6
<i>Electives</i>	21
<i>Total</i>	192

BACHELOR OF SCIENCE IN EDUCATION DEGREE, COLLEGE OF EDUCATION

A student may undertake this program in the College of Education in which case he must satisfy all requirements of that college for the Bachelor of Science in Education degree. The requirements for the major are the same in both colleges.

MINOR

A minor in biological sciences consists of the following courses: GSA 201-9, GSA 301, Botany 300, 301, Microbiology 301, Zoology 102, 103, for a total of 34 hours.

BOTANY

Professors William D. Gray, Ladislao V. Olah, Jacob Verduin, John W. Voigt, Walter B. Welch.
Associate Professors William C. Ashby, Margaret Kaeiser, Robert H. Mohlenbrock (Acting Chairman).

Assistant Professors Donald A. Eggert, William M. Marberry, Aristotel J. Pappelis,
Walter E. Schmid.

SUGGESTED CURRICULUM IN BOTANY

BACHELOR OF ARTS DEGREE, COLLEGE OF LIBERAL ARTS AND SCIENCES

Prospective majors are urged to consult with the chairman of the department.

<i>General Studies Requirements</i> (See page 9.)	87
<i>Air Science Requirement</i> (See the General Information bulletin.)	3
<i>College of Liberal Arts and Sciences Requirements</i> (See page 10.)	33
<i>Requirements for the Major in Botany</i>	43-73
General Studies Area A 201-9 (5 hours count toward the 48-hour major in botany)	(9)
Botany courses selected in consultation with the chairman of the department	43
Chemistry and mathematics: a background of basic courses	0-30
<i>Electives</i>	0-26
<i>Total</i>	192-205

MINOR

A minor consists of a minimum of 24 hours in botany, including GSA 201-9 (which contributes only 5 hours) and excluding Botany 390 and 391. Anyone minoring in botany should consult with the chairman of the Department of Botany concerning his program.

COURSE DESCRIPTIONS

- 131-5 FIELD BIOLOGY. For those who are planning to teach in elementary schools. Methods for the identification of various types of plants and animals; location of source material suitable for teaching nature study.
- 300-3 MORPHOLOGY OF NON-VASCULAR PLANTS. Introduction to the structure, development, and relationships of the algae, fungi, and bryophytes. Prerequisite: GSA 201c.
- 301-3 MORPHOLOGY OF VASCULAR PLANTS. Introduction to the structure, development, and relationships of the fern-allies, ferns, gymnosperms, and angiosperms. Prerequisite: GSA 201c. Recommended: Botany 300.
- 308-5 TAXONOMY AND CULTIVATED PLANTS. A study of the classification of woody and herbaceous cultivated plants, both exotic and native. Prerequisites: GSA 101c, Botany 203.
- 313-3 NATURAL HISTORY OF LOCAL PLANTS. Increases insight and appreciation of plants. Identification and natural history stressed. Lecture, laboratory. Field trip costs about \$5. Prerequisite: GSA 201c.

- 315-4 PLANT GENETICS. A general course involving principles of evolution and genetics of plants. Prerequisite: minor in agriculture, botany, or zoology.
- 320-5 ELEMENTS OF PLANT PHYSIOLOGY. A study of the functions of plants in relation to the various organs. Laboratory. Prerequisite: GSA 201c; Chemistry 350 or a minor in chemistry.
- 321-3 to 5 ELEMENTARY BOTANICAL MICROTECHNIQUE. Methods in preservation and preparation of plant materials, both non-vascular and vascular. Prerequisite: GSA 201c.
- GSA 340-3 ECOLOGY.
- 341-3 AUTECOLOGY. An introduction to plant life processes and life form in relation to the factors of the environment. Prerequisite: 320, GSA 340, or consent of instructor. Field and laboratory expenses \$5.
- GSA 345-3 ECONOMIC BOTANY.
- 390-2 to 4 READINGS IN BOTANY. A course of individually assigned readings in classical botanical literature; both oral and written reports required; open only to undergraduate students. Prerequisite: a major or minor in botany and consent of instructor.
- 391-2 to 5 SPECIAL PROBLEMS IN BOTANY. Individual laboratory or field work under supervised direction. Both written and oral discussions required; open only to undergraduate students. Prerequisite: major or minor in botany and consent of department.
- 400-5 PLANT ANATOMY. An introduction to cell division, development, and maturation of the structures of the vascular plants. Laboratory. Prerequisite: 301.
- 404-4 THE ALGAE. Structure, development, and relationships of the algae. Laboratory and some field work. Prerequisite: 300.
- 405-5 MYCOLOGY. Structure, development, and relationships of fungi. Problems of economic and scientific interest stressed. Laboratory. Prerequisite: 300.
- 411-4 THE BRYOPHYTES AND PTERIDOPHYTES. Structure, development, and relationships of the liverworts and mosses, and the ferns and fern allies. Laboratory. Prerequisite: 300.
- 412-4 THE SPERMATOPHYTES. Structure, development, and relationships of the gymnosperms and angiosperms. Laboratory. Prerequisite: 301.
- 414-5 PALEOBOTANY. An introduction to the study of fossil plants emphasizing the major features of plant evolution and the applications of paleobotany to problems in the botanical and geological sciences. Lecture, laboratory. Field trips. Cost about \$5. Prerequisite: 400 or consent of instructor.
- 420-4 PHYSIOLOGY OF FUNGI. Environmental and nutritional factors involved in the growth, reproduction, and metabolism of the fungi. Prerequisite: consent of instructor.
- 425-15 (5, 5, 5) ADVANCED PLANT PHYSIOLOGY. (a) Water relations, membrane phenomena, interaction of light with plants; (b) photosynthesis, the elaboration and manipulation of carbon compounds in plant cells; (c) mineral nutrition of plants. Three lectures and four hours of laboratory per week. Should be taken in a,b,c sequence. Prerequisites: 320, Chemistry 350, physics, or consent of instructor.
- 428-3 PLANT NUTRITION. The physiological importance of carbon-, nitro-

- gen-, and phosphorus-containing compounds is stressed. Prerequisites: 320.
- 440-4 ECOLOGY OF GRASSES AND GRASSLANDS. Structure, analysis, and dynamics of grassland communities; structure and growth of individual species. Field and laboratory work costs about \$5. Prerequisite: GSA 340 or consent of instructor.
- 445-5 ECOLOGY OF FORESTS AND ARABLE LANDS. Forest areas in North America. Developmental and structural analysis of forest types. Autecology of important species. Field trips cost about \$10. Prerequisite: plant ecology or silviculture or consent of instructor.
- 449-3 ELEMENTS OF TAXONOMY. Principles of taxonomy including historical sketch, phyletic concepts, biosystematics, classical and experimental methods. Lecture, laboratory. Prerequisite: 313.
- 450-3 PLANT GEOGRAPHY. World distribution of plants related to environmental, floristic, and historical factors. Prerequisites: 3 courses in botany or geography or consent of instructor.
- 451-4 INTRODUCTION TO FLORISTICS. Principles involved and methods used in the analysis of the flora of an area. Field trips cost about \$5. Prerequisite: 313.
- 455-4 MEDICAL MYCOLOGY. Fungi which are responsible for infection of man and animals. Problems of classification, identification, isolation, and activity of these fungi. Prerequisites: 405, Microbiology 301 or consent of instructor.
- 456-5 PLANT PATHOLOGY. A study of plant diseases caused by fungi, bacteria, and viruses. Special attention given diseases of Southern Illinois plants. Laboratory and field trips. Prerequisite: consent of instructor.
- 457-4 FOREST PATHOLOGY. Nature and control of forest and shade tree diseases. A study of tree diseases in forests, parks, streets, and nurseries. Fungi important in decay and stain of timber and its products will be included. Prerequisite: 456 or consent of instructor.
- 470-4 METHODS OF TEACHING HIGH SCHOOL BIOLOGY. A study of methods, consisting of consideration of objectives, different types of courses, teaching the scientific method, laboratory method, project method, field methods, measurements, evaluation, and other problems in the teaching of the biological sciences. Prerequisite: Minor in botany or zoology or consent of instructor.
- 480-4 CLASSIC PRINCIPLES OF BOTANY. Theories, principles, and developments in the various divisions of the plant sciences. Prerequisite: consent of instructor.
- 501-4 Plant Biology for High School Teachers.
- 502-2 Recent Development in Biological Sciences.
- 503-15 (5, 5, 5) Advanced Angiosperm Taxonomy.
- 507-8 BSCS—High School Biology.
- 522-5 Advanced Microtechnique.
- 525-5 Cytology.
- 526-5 Cytogenetics.
- 533-3 to 4 Growth and Development in Plants.
- 542-4 Genecology and Community Concepts.
- 543-5 Experimental Ecology.
- 551-4 Natural Vegetation of Mississippi Basin—Upland.

- 552-4 Mississippi Flora Aquatic.
 555-4 Advanced Plant Pathology I.
 556-4 Advanced Plant Pathology II.
 557-4 Advanced Plant Pathology III.
 570-2 to 5 Readings.
 580-1 to 4 Seminar.
 590-2 to 4 Introduction to Research.
 591-3 to 9 Problems and Introduction to Research.
 599-3 to 9 Thesis.
 600-1 to 36 Dissertation.

CHEMISTRY

Professors Talbert W. Abbott (Emeritus, 1961), Roger E. Beyler, George E. Brown, Elbert H. Hadley (Acting Chairman), James W. Neckers, R. A. Scott (Emeritus, 1960), Kenneth A. Van Lente.

Associate Professors Albert L. Caskey, Wilbur N. Moulton, Boris Musulin, Russell F. Trimble, Jr., Robert E. Van Atta.

Assistant Professors James N. BeMiller, J. Herbert Hall, Melvin D. Joesten, Richard J. Ruch.

Instructor William N. Sanders

Research Associate Sujit K. Bhattacharya

A student majoring in chemistry must have a 3.0 average in chemistry courses to start the second year of the major. He should have a 3.25 average in chemistry courses, and/or consent of the department, to start his third and fourth years of work toward the major.

SUGGESTED CURRICULA IN CHEMISTRY

BACHELOR OF ARTS DEGREE, A.C.S.,
 COLLEGE OF LIBERAL ARTS AND SCIENCES

The following curriculum meets requirements for certification by the American Chemical Society. A student desiring to follow this curriculum should consult the Department of Chemistry for a recommended curriculum outline covering in detail his four years of study, and for changes in A.C.S. requirements.

<i>General Studies Requirements</i> (See page 9.)	87
<i>Air Science Requirement</i> (See the General Information bulletin.)	3
<i>College of Liberal Arts and Sciences Requirements</i> (See page 10.)	33
<i>Requirements for the Major in Chemistry</i> (with A.C.S. certification)	104
General Studies Area D 114b,c	(6)
Chemistry 111-15, 221, 235 or 331, 341-14, 411, 432,	
433, 444, 446, 461-12, 490	67-69

Chemistry 412, 447, 451a, 451b, 471 (any one)	3-4
German (one year)	(9)
Mathematics 150-10, 252-9	19
Physics (one year)	15
<i>Total</i>	227
<i>Total</i> (if the minor is mathematics)	211

BACHELOR OF ARTS DEGREE, COLLEGE OF LIBERAL ARTS AND SCIENCES

<i>General Studies Requirements</i> (See page 9.)	87
<i>Air Science Requirement</i> (See the General Information bulletin.)	3
<i>College of Liberal Arts and Sciences Requirements</i> (See page 10.)	33
<i>Requirements for the Major in Chemistry</i>	82
General Studies Area D 114b,c	(6)
Chemistry 111-15, 221, 432, 490	24
Chemistry 235 or 331; 460 or 461-12	8-15
Chemistry 305-8 or 341-14, and courses selected from 350, 375, 411, 412, 433, 444, 446, 447, 451, 471 to complete at least 48 hours in chemistry	12-16
German (one year)	(9)
Mathematics 150-10, 252-9	19
Physics (one year)	15
<i>Total</i>	205
<i>Total</i> (if the minor is mathematics).....	192

MINOR

A minimum of twenty-four hours of chemistry is required for a minor including 111-10 and at least one course from each of two of the following fields: analytical chemistry, biological chemistry, organic chemistry. Some chemistry course sequences constituting acceptable minors are: 111-15, plus one of the following sequences: 101c (with GSA 101c), 235; or 221, 305-8; 305-8, or 101c (with GSA 101c), 221, 350; or 101c (with GSA 101c), 230, 350; or 305-8, 350; or 235, 305-8; or 235, 305-8, 350. Another acceptable sequence is 111-10, 230, 305-8, 350.

COURSE DESCRIPTIONS

- 101-2 (1, 1) OPTIONAL LABORATORY FOR GSA 101. Elementary general and organic chemistry laboratory. Prerequisite: concurrent enrollment in GSA 101b or c.
- 111-15 (5, 5, 5) GENERAL-INORGANIC CHEMISTRY. Required for engineering students and all students requiring more than one year chem-

- istry. High school chemistry is not a requirement. Lecture, quiz, and laboratory hours. Must be taken in a,b,c sequence.
- 221-3 QUALITATIVE ANALYSIS. 2 lecture and 3 laboratory hours per week. Prerequisite: 111c and knowledge of logarithms.
- 230-4 GENERAL ANALYTICAL CHEMISTRY. A survey course in chemical analysis not open to chemistry majors. A brief introduction to various analytical methods. Qualitative and quantitative measurements, including gravimetry, volumimetry, colorimetry, and other techniques. 2 lecture and 6 laboratory hours per week. Prerequisite: 101b (with GSA 101b) or 111b.
- 235-5 GENERAL QUANTITATIVE ANALYSIS. A course particularly for pre-professional students. 3 lecture and 6 laboratory hours per week. Prerequisite: 111c and knowledge of logarithms.
- 305-8 (4, 4) ORGANIC CHEMISTRY, PREPROFESSIONAL. For chemistry minors and preprofessional students. Lecture and laboratory. Must be taken in a,b sequence. Prerequisite: 111b.
- 331-3 INTRODUCTORY QUANTITATIVE ANALYSIS. 2 lecture and 3 laboratory hours per week. Prerequisite: 221.
- 341-14 (4, 5, 5) ORGANIC CHEMISTRY. (a) 3 lecture and 3 laboratory hours. (b,c) 3 lecture and 6 laboratory hours. Must be taken in a,b,c sequence. Prerequisite: 111c.
- 350-4 BIOLOGICAL CHEMISTRY. A brief introduction to metabolism, nutrition, and the chemistry of the important biological processes in plants and animals. 3 lecture and 3 laboratory hours per week. Prerequisite: 101c (with GSA 101c) or 305b or 341c. Not for chemistry majors.
- 375-0 to 2 SENIOR SEMINAR. For seniors majoring in chemistry.
- 411-3 INTERMEDIATE INORGANIC CHEMISTRY. Modern inorganic chemistry involving atomic structure, chemical bonds, complexes, and chelate structures; chemistry of familiar and less familiar elements. 3 lecture hours per week. Prerequisites: 235 or 331, 305b or 341c.
- 412-3 INORGANIC PREPARATIONS. A study of several important types of inorganic syntheses. 1 lecture and 6 laboratory hours per week. Prerequisite: 411.
- 432-4 INSTRUMENTAL ANALYTICAL TECHNIQUES. Theory and practice of common instrumental analytical measurements. 2 lecture and 6 laboratory hours per week. Prerequisites: 235 or 331, 305b or 341c, and one year of physics.
- 433-4 INTERMEDIATE QUANTITATIVE ANALYSIS. A comprehensive study of complex methods of analysis, with emphasis on separations. 2 lecture and 6 laboratory hours per week. Prerequisite: 460 or 461b.
- 444-3 ORGANIC REACTIONS. An intermediate course with emphasis on monofunctional compounds. 3 lecture hours per week. Prerequisite: 341c.
- 446-4 QUALITATIVE ORGANIC CHEMISTRY. A systematic study of the separation and identification of organic compounds by a procedure based on solubility and classification reagents. 2 lecture and 6 laboratory hours per week. Prerequisite: 305b or 341c.
- 447-3 QUANTITATIVE ORGANIC CHEMISTRY. The determination of functional groups and elements commonly found in organic compounds by selected methods of analysis; illustration of general method of procedure in the field of quantitative organic chemistry. 1 lecture and 6 laboratory hours per week. Prerequisite: 305b or 341c, 235 or 331.

- 451-11 (3, 3 to 4, 3 to 4) **BIOCHEMISTRY.** (a) Chemistry, function, and metabolism of carbohydrates; energy metabolism, vitamins. 3 lectures per week. (b) Enzymes, lipids, amino acids, proteins. Modern laboratory methods. 3 lectures and 3 laboratory hours per week. (c) Enzyme kinetics, nucleic acids, comparative biochemistry. 3 lectures and 3 laboratory hours per week. Must be taken in a,b,c sequence. Prerequisites: 305b or 341c, 235 or 331.
- 460-5 **THEORETICAL CHEMISTRY.** Traditional aspects of physical chemistry without the use of calculus. 3 lectures and 6 labs per week. Prerequisites: 305b or 341c; 235 or 331 (may be taken concurrently).
- 461-12 (4, 4, 4) **PHYSICAL CHEMISTRY.** (a) Gases, liquids, solids, solutions, homogeneous and heterogeneous equilibria. (b) Chemical kinetics, electrical conductance, electromotive force, and electrolytic equilibrium. (c) Chemical thermodynamics, the quantum theory, nuclear structure, photochemistry, atomic and molecular structure. 3 lecture and 3 laboratory hours per week. Must be taken in a,b,c sequence. Prerequisites: 331 (may be taken concurrently), 341c, twelve hours of physics, and one year of calculus.
- 471-3 **INDUSTRIAL CHEMISTRY.** A survey course on modern industrial chemistry and an introduction to chemical research processes. 3 lecture hours per week. Prerequisite: 305b or 341c.
- 490-2 **CHEMICAL LITERATURE.** A description of the various sources of chemical information and the techniques for carrying out literature searches as well as an introduction to nomenclature. 2 lecture hours per week. Prerequisites: 235 or 331, 305b or 341c, reading knowledge of German or consent of instructor.
- 496-2 to 6 **CHEMICAL PROBLEMS.** Investigation of relatively simple problems under the direction of a staff member. (a) analytical, (b) biochemistry, (c) inorganic, (d) organic, (e) physical. Prerequisites: senior standing, major in chemistry with 4.0 average, and consent of department.
- 511-9 (3, 3, 3) Advanced Inorganic Chemistry.
- 517-3 Laboratory Techniques in Inorganic Chemistry.
- 519-2 to 30 Advanced Topics in Inorganic Chemistry.
- 531-3 Theory of Quantitative Analysis.
- 532-3 Instrumental Methods of Analysis.
- 533-3 Industrial Analytical Methods.
- 539-2 to 30 Advanced Topics in Analytical Chemistry.
- 541-3 Advanced Organic Chemistry.
- 542-3 Advanced Organic Chemistry.
- 543-3 Advanced Organic Chemistry.
- 547-3 to 6 Advanced Laboratory Preparations in Organic Chemistry.
- 549-2 to 30 Advanced Topics in Organic Chemistry.
- 551-3 Advanced Biochemistry.
- 552-3 Advanced Biochemistry.
- 553-3 Advanced Biochemistry.
- 559-2 to 30 Advanced Topics in Biochemistry.
- 561-3 Chemical Thermodynamics.
- 562-3 Atomic and Molecular Structure.
- 563-3 Chemical Kinetics.
- 569-2 to 30 Advanced Topics in Physical Chemistry.

- 575-1 to 3 Graduate Seminar.
594a-2 to 6 Special Readings in Chemistry, Analytical.
594b-2 to 15 Special Readings in Chemistry, Biochemistry.
594c-2 to 6 Special Readings in Chemistry, Inorganic.
594d-2 to 6 Special Readings in Chemistry, Organic.
594e-2 to 6 Special Readings in Chemistry, Physical.
595a-1 to 9 Advanced Seminar in Chemistry, Analytical.
595b-1 to 9 Advanced Seminar in Chemistry, Biochemistry.
595c-1 to 9 Advanced Seminar in Chemistry, Inorganic.
595d-1 to 9 Advanced Seminar in Chemistry, Organic.
595e-1 to 9 Advanced Seminar in Chemistry, Physical.
596a-3 to 9 Advanced Chemical Problems, Analytical.
596b-3 to 9 Advanced Chemical Problems, Biochemistry.
596c-3 to 9 Advanced Chemical Problems, Inorganic.
596d-3 to 9 Advanced Chemical Problems, Organic.
596e-3 to 9 Advanced Chemical Problems, Physical.
597a-3 to 15 Research and Thesis, Analytical.
597b-3 to 15 Research and Thesis, Biochemistry.
597c-3 to 15 Research and Thesis, Inorganic.
597d-3 to 15 Research and Thesis, Organic.
597e-3 to 15 Research and Thesis, Physical.
598a-3 to 48 Doctoral Research, Analytical.
598b-3 to 48 Doctoral Research, Biochemistry.
598c-3 to 48 Doctoral Research, Inorganic.
598d-3 to 48 Doctoral Research, Organic.
598e-3 to 48 Doctoral Research, Physical.
600a-3 to 48 Dissertation, Analytical.
600b-3 to 48 Dissertation, Biochemistry.
600c-3 to 48 Dissertation, Inorganic.
600d-3 to 48 Dissertation, Organic.
600e-3 to 48 Dissertation, Physical.

ECONOMICS

The Department of Economics, an academic unit of the School of Business, offers a curriculum leading to the Bachelor of Arts degree in the College of Liberal Arts and Sciences. The curriculum and the courses are described in the bulletin of the School of Business.

ENGLISH

Research Professor Harry T. Moore.

Professors Percy Guy Adams, James G. Benziger, E. C. Coleman, Robert D. Faner (Chairman), Jesse W. Harris, Henry Dan Piper, Charles D. Tenney, Georgia Gantt Winn.

Associate Professors Frances M. Barbour, Daniel Cook, Edith S. Krappe, Robert B. Partlow, Jr., William E. Simeone, E. Earle Stibitz, Howard W. Webb, Jr.

Assistant Professors Julia M. Barber (Emerita, 1957), Ted Boyle, Winifred Burns, George C. Camp, Thomas Cassidy, Elizabeth A. Cox (Emerita, 1949), John M. Howell, John Joseph Leonard, Fred K. Lingle, Robert Mortenson, Roy G. Pickett, Raymond S. Rainbow, Jr., Muriel West.

Instructors Leon Bennett, Martha M. Clark, Charles T. Crowe, Diana L. Dodd, Richard Dozier, C. A. J. Giffard, Dalton Gross, Robert B. Harrell, Lewis J. Hilliard, Frances T. Huff, Bettie Shull Hughes, Gabriel G. Kajeckas, Jean Kittrell, Richard Lawson, Edward McNichols, Joan F. Martin, Betty Lou H. Mitchell, Peter Notaras, Lois Anne Richman, Paul G. Schlueter, Edna S. Travis, Lois Van Rooy, Roy Weshinskey, Francis Young.

Visiting Professor Thomas W. Baldwin.
Lecturers Rose Black, Mary Hartzog, Emilyn S. Morris, Mary Simon, Marion Dill Smith, Mary Virginia Wright.

SUGGESTED CURRICULA IN ENGLISH

The student should consult the department chairman as soon as he knows that he will major in English, and should thereafter have his advance registration approved by the chairman each quarter. Deviations from the generally prescribed major requirements should not be made without prior approval. Membership in the English Club is expected.

BACHELOR OF ARTS DEGREE, COLLEGE OF LIBERAL ARTS AND SCIENCES

<i>General Studies Requirements</i> (See page 9.)	96
<i>Air Science Requirement</i> (See the General Information bulletin.)....	3
<i>College of Liberal Arts and Sciences Requirements</i> (See page 10.)	33
<i>Requirements for the Major in English</i>	42
GSC 201 or 209 or 210, and 202	(6)
English 300, 302-12, 309a, 390	23
One 400-level course in each of the "types." These three courses should be selected so as to fall into three dif- ferent literary periods. See "types" and "periods" below.	12
English electives numbered above 299 to complete 48 hours in English	7
Foreign Language (one year, preferably French or Ger- man)	(9)
<i>Electives</i>	18
Recommended electives are GSC 301; English 485; extra courses in types and periods; courses in criticism, linguistics, profes- sional writing; and certain courses in philosophy.	
<i>Total</i>	192

Types

Poetry: 404a,b; 420a,b; 421a,b,c,d; 473

Drama: 460a,b,c,d; 464; 468; 471a,b

Fiction: 454a,b,c; 456; 458a,b

Periods

The Medieval: 404a,b

The Renaissance: 412a; 460a,b; 471a,b

The 17th–18th Centuries: 412b,c; 441; 454a; 460c; 473

The 19th Century: 420a; 421a,b,c; 443; 454b; 458a

The 20th Century: 420b; 421d; 454c; 456; 458b; 460d; 464; 468

BACHELOR OF SCIENCE IN EDUCATION DEGREE, COLLEGE OF EDUCATION

The curriculum leading to the Bachelor of Science in Education degree with a major in English in the College of Education includes the following *Requirements for the Major in English*:

All of the courses required on page 26 for the major	41
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English 485	4
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English electives to complete 48 hours	3
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Other requirements for the degree are listed under Secondary Education in the College of Education bulletin.

MINOR

The English minor is 25 hours, prescribed as follows: from sophomore work, 6 hours; 300; 309a; 302a,b or 302b,c; 390. Deviations from this minor should have the approval of the chairman of the department.

COURSE DESCRIPTIONS

100–0 ENGLISH COMPOSITION: GRAMMAR AND USAGE. Required of all freshmen who need additional training in the fundamentals of grammar and usage (for these students, 100 is a prerequisite for GSD 101a and 103).

105–3 to 6 ENGLISH AS A FOREIGN LANGUAGE. Open to foreign students only. Maximum of 3 hours to be earned per quarter; graduate students receive no credit.

106–4 INTERMEDIATE ENGLISH FOR FOREIGN BORN. Basic principles of American English usage and composition. Improvement of reading skills.

300–4 PRINCIPLES OF GRAMMAR. Required of majors and minors in English. Majors and minors other than in English should take 391. Credit not allowed for both courses.

GSC 301–3 INTRODUCTION TO SEMANTICS.

- 302-12 (4, 4, 4) ENGLISH LITERATURE. A survey (a) to 1550, (b) 1550-1750, (c) after 1750. All three courses are required of English majors. May be taken in any sequence.
- 309-8 (4, 4) AMERICAN LITERATURE. A survey (a) to 1860, (b) since 1860. May be taken in either sequence.
- GSC 313-3 FOLKLORE.
- GSC 318-3 BRITISH MODERN LITERATURE AND ITS SOCIAL CONTEXT. (Summer, abroad.)
- GSC 321-3 REVOLUTION AND ROMANTICISM.
- GSC 335-3 STUDIES IN SHORT FICTION.
- GSC 345-3 WORLD LITERATURE.
- GSC 365-3 SHAKESPEARE.
- 390-3 ADVANCED COMPOSITION. Expository writing.
- 391-3 USAGE IN SPOKEN AND WRITTEN ENGLISH. The essentials of grammar and the "common decencies." Prerequisite to student teaching, except for English majors and minors, who take 300.
- 392-3 PROFESSIONAL WRITING I. Introductory course for undergraduates. Prerequisite to 492, but credit for the course does not constitute automatic admission to 492. Prerequisite: consent of instructor.
- 400-4 INTRODUCTION TO LINGUISTICS. An analysis of English structure, its phonemics, morphemics, and syntax. Recommended for those preparing to teach English grammar and needing an introduction to the structural approach.
- 403-4 THE HISTORY OF THE ENGLISH LANGUAGE. A survey of the development of the language from Indo-European to modern English with special emphasis on Middle and Early Modern English changes.
- 404-8 (4, 4) MEDIEVAL LITERATURE. (a) Contemporaries and successors of Chaucer: late fourteenth and early fifteenth century English literature, from *Sir Gawayne and the Grene-Knight* to the Scottish Chaucerians, and (b) Chaucer. May be taken singly.
- 412-12 (4, 4, 4) ENGLISH NONDRAMATIC LITERATURE. (a) 16th century, (b) 17th century, (c) 18th century. May be taken singly.
- 420-8 (4, 4) AMERICAN POETRY. A survey of (a) trends in American poetry to 1900 with a critical analysis of the achievement of the more important poets and (b) the more important poets since 1900. May be taken singly. Prerequisite: 309a or 309b.
- 421-16 (4, 4, 4, 4) ENGLISH POETRY. (a) Early Romantics: major emphasis on general background and on Blake, Coleridge, and Wordsworth; (b) Later Romantics: emphasis on Byron, Shelley, and Keats, the minor figures; (c) Victorian Poets: Tennyson, Browning, Arnold, and other poets of England, 1830-1900; (d) Modern British Poets. May be taken singly.
- 431-12 (4, 4, 4) MAJOR AMERICAN WRITERS. Significant writers of fiction and non-fictional prose from the Puritans to the twentieth century. (a) 1620-1800, (b) 1800-1865, (c) 1865-1915. May be taken singly.
- 438-4 INTELLECTUAL BACKGROUNDS OF AMERICAN LITERATURE. The relationship of basic ideas in America to American literature. Prerequisite: 309a or b.
- 441-4 THE EIGHTEENTH CENTURY ESSAY. The informal essay and the literary periodicals—*The Spectator*, *Tatler*, *Guardian*, *Rambler*, *Idler*, and Goldsmith's *Citizen of the World* ("Chinese Letters").

- 443-4 VICTORIAN PROSE. The chief writers of nonfiction prose from the late romantics to 1900. Prerequisite: 302c.
- 447-4 AMERICAN HUMOR AND SATIRE. A consideration of the writers and forms of nineteenth and twentieth century humor.
- 454-12 (4, 4, 4) ENGLISH FICTION. (a) 18th century: Defoe through Jane Austen; (b) Victorian novel: 1830-1900; (c) 20th century. May be taken singly.
- 456-4 CONTEMPORARY CONTINENTAL FICTION.
- 458-8 (4, 4) AMERICAN FICTION. (a) The novel in America from its beginnings to the early 20th century, (b) trends and techniques in the American novel and short story since 1914. May be taken singly.
- 460-16 (4, 4, 4, 4) BRITISH DRAMA. (a) Elizabethan Drama from the beginning of the drama in late Middle Ages through its flowering in such Elizabethan playwrights as Greene, Peele, Kyd, Marlowe, Heywood, the Jacobean and Caroline playwrights: Jonson, Webster, Marston, Middleton, etc., but excluding Shakespeare, (b) Jacobean Drama covering the Jacobean and Caroline playwrights: Jonson, Webster, Marston, Middleton, Beaumont, and Fletcher, Massinger, Ford Shirley, etc., (c) Restoration and Eighteenth Century Drama covering the British drama after 1660, with representative types of plays from Dryden to Sheridan, (d) Modern British Drama. May be taken singly.
- 464-4 MODERN CONTINENTAL DRAMA. The continental drama of Europe since 1870; representative plays of Scandinavia, Russia, Germany, France, Italy, Spain, and Portugal.
- 468-4 AMERICAN DRAMA. The rise of the theater in America, with readings of plays, chiefly modern. Prerequisite: 309a or 309b.
- 471-8 (4, 4) SHAKESPEARE. (a) The plays before 1600, (b) the plays of 1600 and later. Readings on the life of Shakespeare, the theater, and the acting company. May be taken singly.
- 473-4 MILTON.
- 485-4 PROBLEMS IN THE TEACHING OF ENGLISH. Aims, methods, materials, tests, programs, and other aspects of English instruction in the high school.
- 486-2 to 8 WORKSHOP IN HIGH SCHOOL ENGLISH. Intensive workshop study in lectures, laboratory, conferences, to arrive at agreement on the teaching of English in high school. Curriculum, materials, methods, aims. Directed by competent authorities in the field.
- 487-2 to 8 WORKSHOP IN JUNIOR HIGH SCHOOL ENGLISH. Intensive workshop study in lectures, laboratory, conferences, to arrive at agreement on the teaching of English in junior high school. Curriculum, materials, methods, aims. Directed by competent authorities in the field.
- 492-8 (4, 4) PROFESSIONAL WRITING II. Must be taken in a,b sequence. Prerequisite: 392.
- 495-8 (4, 4) LITERARY CRITICISM. (a) History of literary criticism: ideas and techniques of criticism, from Aristotle to the end of the 19th century; (b) modern literary criticism: recent critics and critical attitudes, and practice in writing criticism.
- 499-2 to 6 READINGS IN ENGLISH. For English majors only. Departmental approval required. No more than 4 hours may be taken in any one quarter.

- 500-2 Materials and Methods of Research in English.
 501-4 Old English Grammar.
 502-4 Beowulf.
 503-4 or 8 Studies in Linguistics.
 508-4 or 8 Studies in Chaucer.
 509-4 or 8 Studies in Middle English Literature.
 511-4 or 8 Studies in the Renaissance.
 513-4 or 8 Studies in Seventeenth Century English Literature.
 514-4 or 8 Studies in Restoration and Eighteenth Century Literature.
 519-4 or 8 Studies in Contemporary British Literature.
 520-4 or 8 Studies in Romantic Writers.
 521-4 or 8 Studies in Victorian Poetry.
 524-4 or 8 Studies in the Metaphysical Poets.
 532-4 or 8 Studies in American Transcendentalism.
 534-4 or 8 Studies in Early Nineteenth Century American Writers.
 536-4 or 8 Studies in Later Nineteenth Century American Writers.
 537-4 or 8 Studies in Twentieth Century American Writers.
 538-4 or 8 Problems in American Literature.
 543-4 or 8 Studies in Victorian Nonfiction Prose.
 555-4 or 8 Studies in the Victorian Novel.
 560-4 or 8 Studies in Renaissance Drama.
 566-4 or 8 Studies in Shakespeare.
 580-4 Traditional Themes.
 581a-4 Composition in High School.
 581b-4 Linguistics in High School.
 581c-4 Literature in High School.
 585-2 Teaching College Composition.
 586-4 to 8 Teaching College Literature.
 598-9 (1 to 3, 1 to 3, 1 to 3) Independent Review of English and American Literature.
 599-2 to 9 Thesis.
 600-1 to 48 Dissertation.

FOREIGN LANGUAGES

Professors Albert William Bork, Boyd G. Carter, J. Cary Davis (Acting Chairman), Hellmut A. Hartwig, Vera L. Peacock, Erich Wellner.

Associate Professors Mary Eileen Barry, Howard P. French, Joseph R. Kupcek, Madeleine M. Smith.

Assistant Professors Helmut Liedloff, Anna K. Neufeld.

Instructors Alice Anne Foley, J. A. LaFontaine, Gerda von Paleske, Robert Wasylus.

Visiting Professors Jenaro J. Artiles, Luis Baralt.

Lecturer Arnold Ulner.

Assistant Instructors Daniele Kellams, Mildred O. Wilkinson.

SUGGESTED CURRICULA IN A LANGUAGE

BACHELOR OF ARTS DEGREE, COLLEGE OF LIBERAL ARTS AND SCIENCES

<i>General Studies Requirements</i> (See page 9.)	96
<i>Air Science Requirement</i> (See the General Information bulletin.)....	3
<i>College of Liberal Arts and Sciences Requirements</i> (See page 10.)	33
<i>Requirements for the Major in Foreign Languages</i>	42
A minimum of 42 hours in one language, in courses numbered above 200	
<i>Electives</i>	18
<i>Total</i>	192

BACHELOR OF SCIENCE IN EDUCATION DEGREE, COLLEGE OF EDUCATION

The curriculum leading to the Bachelor of Science in Education degree with a major in a language in the College of Education includes a minimum of 36 hours in the language, in courses numbered above 200. Other requirements for the degree are given in the College of Education bulletin.

MINOR

A minor consists of 24 hours in one language, in courses numbered above 200.

COURSE DESCRIPTIONS

Students taking work in any first year college foreign language series should note that the first two terms will not be counted as electives toward graduation unless the third term is also completed.

FOREIGN LANGUAGES

435-4 to 8 WORKSHOP IN ELEMENTARY SCHOOL FOREIGN LANGUAGE INSTRUCTION. Designed to assist elementary school teachers in integrating foreign languages into their teaching program as well as to encourage high school teachers to introduce or supervise foreign languages at the elementary school level. To count as education or foreign languages. Prerequisite: basic language credit.

CHINESE

- 120-3 (1, 1, 1) CHINESE CONVERSATION. Conversation and oral drill taken with GSD 120 by students who wish additional oral training: elected only by students enrolled in GSD 120.
- 201-15 (5, 5, 5) INTERMEDIATE CHINESE. Designed to give the students

a review of the Chinese language and its expansion, a reading ability of modern prose, and practice in conversation and composition. Must be taken in a,b,c sequence. Prerequisite: one year of college Chinese (GSD 120c) or equivalent.

FRENCH

- 123-3 (1, 1, 1) FRENCH CONVERSATION. Conversation and oral drill taken with GSD 123 by students who wish additional oral training: elected only by students enrolled in GSD 123.
- 161-0 FRENCH FOR GRADUATE STUDENTS. Intensive study of grammar and vocabulary. Designed for graduate students desiring a reading knowledge of French.
- 201-9 (3, 3, 3) INTERMEDIATE COMPOSITION AND READING. Composition, oral practice, rapid reading of modern authors. Must be taken in a,b,c sequence. Prerequisite: GSD 123c or two years of high-school French.
- 220-2 to 6 FRENCH CONVERSATION. Conversation based largely on topics of current interest chosen from French newspapers and reviews.
- GSC 305-3 CONTEMPORARY FRENCH DRAMA.
- 311-9 (3, 3, 3) SURVEY OF FRENCH LITERATURE. French literature from the beginning to the present time. Should be taken in a,b,c sequence. Prerequisite: 201c.
- 320-6 (2, 2, 2) ADVANCED CONVERSATION. Conversation based on French history. Should be taken in a,b,c sequence concurrently with 311 a,b,c.
- 351-8 (4, 4) ADVANCED COMPOSITION AND CONVERSATION. Oral and written practice for advanced students; intensive study of idiomatic expressions and current usage. Should be taken in a,b sequence.
- 352-5 FRENCH CONVERSATION AND PHONETICS. A thorough study of the phonetic alphabet and the formation of French sounds.
- 400-4 FRENCH LITERATURE BETWEEN 1870 and 1914. A survey. Prerequisite: 311c.
- 401-6 (3, 3) SEVENTEENTH CENTURY FRENCH DRAMA.
- 403-3 FRENCH LITERATURE OF THE EIGHTEENTH CENTURY. Drama and novel.
- 405-3 FRENCH CONTEMPORARY NOVEL. A study of the novel from 1900 to the present with detailed attention to Proust and Gide.
- 406-3 FRENCH POETRY FROM 1850 to 1900. The Parnassian and Symbolist Movements in French poetry.
- 407-3 FRENCH POETRY FROM 1900 TO THE PRESENT.
- 500-2 Seminar in Contemporary French Literature.
- 501-2 to 6 Seminar on a Selected French Author. (a) Balzac, (b) Baudelaire, (c) Moliere, (d) Montaigne, (e) Proust.
- 502-3 French Literature from La Chanson De Roland to Rabelais.
- 503-3 Rabelais and Montaigne.
- 504-3 La Pleiade.
- 507-3 A Study of Romanticism in France.
- 510-4 French Literature from 1850 to 1900.
- 511-3 Twentieth Century French Drama.

- 515-3 Old French.
520-4 Graduate Composition and Diction.
599-2 to 9 Thesis.

GERMAN

- 126-3 (1, 1, 1) GERMAN CONVERSATION. Conversation and oral drill taken with GSD 126 by students who wish additional oral training: elected only by students enrolled in GSD 126.
- 161-0 GERMAN FOR GRADUATE STUDENTS. Intensive study of grammar and vocabulary. Designed for graduate students desiring a reading knowledge of German.
- 201-9 (3, 3, 3) INTERMEDIATE GERMAN. Reading in modern prose, conversation, and composition. Must be taken in a,b,c sequence. Prerequisite: GSD 126c or two years of high-school German.
- 220-2 to 6 GERMAN CONVERSATION. Conversation based on topics of current interest. Extensive use of German newspapers, periodicals, and records. Prerequisite: consent of instructor.
- 301-8 (4, 4) SURVEY OF GERMAN LITERATURE TO 1800. Historical development of German literature. Should be taken in a,b sequence.
- 303-4 GERMAN "NOVELLE" IN THE NINETEENTH CENTURY. A study of representative works from 1800 to 1900, with emphasis on the literary movements of that time.
- 304-5 ADVANCED COMPOSITION AND CONVERSATION. Based on the history of German civilization. Required for prospective teachers of German.
- 311-8 (4, 4) INTRODUCTION TO GERMAN CLASSICAL LITERATURE. Lessing, Goethe, Schiller. Reading and discussion of representative works. May be taken in either sequence.
- 313-4 GERMAN DRAMA IN THE NINETEENTH CENTURY. Kleist, Grillparzer, Hebbel. Reading and discussion of representative works.
- 401-4 (2, 2) GOETHE'S FAUST. (a) The Faust legend and early Faust books and plays; the genesis of Goethe's *Faust*; reading of Part I. (b) Reading of Part II: study of symbolism such as blending of paganism with Christianity, ancient Greek culture with Germanic culture. Should be taken in a,b sequence.
- 403-3 GERMAN BALLADS AND LYRICS. A selective study of the foremost examples of German balladry and lyric poetry, ranging from the poetry of Klopstock and Bürger to that of Rilke and Werfel. Lectures, recitations.
- 404-4 WEIMAR AND ITS AFTERMATH. German writings from the inception of the Weimar Republic to the end of W.W. II, with special reference to the correlation existing between literary expression and social, economic, and political conditions.
- 406-3 THE GERMAN COMEDY. Comic and satirical works in German literature, with special emphasis on the "Lustspiel" since 1800. Lectures and reports.
- 407-2 GREAT GERMAN PLAYS OF THE 20TH CENTURY. Study and selective readings of outstanding stage successes. Lectures, and reports.
- 408-4 GERMAN CIVILIZATION. Intensive study of the German speaking areas of the world with emphasis on the anthropological and sociological

aspects of their respective cultures (Austrian, German Swiss, *Reichsdeutsche*, etc.), lectures, reports.

- 411-6 (3, 3) MIDDLE HIGH GERMAN. (a) Selective readings in such epics as the *Nibelungen Lied* and *Gudrun*. (b) The courtly epic poetry of such authors as Wolfram von Eschenbach, Gottfried von Strassburg, Hartmann von Aue, and the lyric poetry of Walther von der Vogelweide. May be taken in either sequence.
- 497-1 to 2 READINGS IN EIGHTEENTH-CENTURY GERMAN LITERATURE. Departmental approval required.
- 498-1 to 2 READINGS IN NINETEENTH-CENTURY GERMAN LITERATURE. Departmental approval required.
- 499-1 to 2 READINGS IN TWENTIETH-CENTURY GERMAN LITERATURE. Departmental approval required.
- 500-2 Seminar in Contemporary German Literature.
- 501-2 Seminar on a Selected German Author.
- 509-4 (2, 2) Old High German.
- 512-3 Nineteenth Century German Novel.
- 513-3 Twentieth Century German Novel.
- 514-3 Seminar in Folklore.
- 544-9 NDEA Summer Institute for Teachers of German.
- 591-2 to 6 Seminar on Kant.
- 511-3 to 9 Thesis or Research in German Literature.

GREEK

- 201-12 (4, 4, 4) INTERMEDIATE GREEK. Grammar review and composition. Readings from Plato. Must be taken in a,b,c sequence. Prerequisite: GSD 130c.
- 301-4 INTRODUCTION TO GREEK HISTORY. Reading and discussion of selections from the histories of Herodotus and Thucydides.
- 302-4 PLATO. Reading and discussion of the *Republic*.
- 303-4 ARISTOTLE. Reading and discussion of the *Ethics*.
- 311-8 (4, 4) INTRODUCTION TO HOMER. Reading and interpretation of selections from the *Iliad* and the *Odyssey*. Should be taken in a,b sequence.
- 313-4 INTRODUCTION TO GREEK TRAGEDY. Reading of at least two plays from the works of Aeschylus, Sophocles, and Euripides.
- GSC 320-3 GREEK LITERATURE IN TRANSLATION.
- GSC 330-3 CLASSICAL MYTHOLOGY.

LATIN

- 201-12 (4, 4, 4) INTERMEDIATE LATIN. Composition and reading from various authors. Should be taken in a,b,c sequence. Prerequisite: GSD 133 or two years of high-school Latin.
- 301-4 CICERO'S LETTERS. Emphasis laid upon the history of the times and the personality of Cicero.
- 302-4 VERGIL'S ECLOGUES AND GEORGICS. Vergil's spirit and contribution to Rome considered.
- 303-4 TACITUS. The *Agricola* and *Germania*.
- 304-2 PRIVATE LIFE OF THE ROMANS. Comprising a personal study of

the average family; housing, food, and clothing; marriage, education, amusements, slaves, and freedom; means of livelihood; death and burial.

Open to all students whether they have had Latin or not.

311-4 PHORMIO OF TERENCE. Prerequisite: 201c or equivalent.

312-4 HORACE'S ODES AND EPODES. Prerequisite: 201c or equivalent.

313-4 LETTERS OF PLINY. Prerequisite: 201c or equivalent.

326-4 OVID'S METAMORPHOSES.

GSC 331-3 LATIN LITERATURE IN TRANSLATION.

335-4 VERGIL'S AENEID.

342-4 ADVANCED COMPOSITION. A careful study based on classic prose-writers.

PORTUGUESE

100-5 INTRODUCTORY PORTUGUESE. Especially for Spanish majors and minors. Prerequisite: Spanish 201c or consent of instructor.

All 5 hours count toward a Spanish major of 42 hours or more. Only 3 hours count toward a Spanish minor, or a major of less than 42 hours.

ROMANCE PHILOLOGY

410-4 ROMANCE PHILOLOGY I. A survey of the phonology, morphology, and syntax changes in Romance languages in general; special attention to developments in French and Spanish for majors in these fields.

514-4 Romance Philology II.

515-4 Readings in Romance.

516-4 Arthurian Romance.

RUSSIAN

136-3 (1, 1, 1) RUSSIAN CONVERSATION. Conversation and oral drill taken with GSD 136 by students who wish additional oral training: elected only by students enrolled in GSD 136.

161-0 RUSSIAN FOR GRADUATE STUDENTS.

201-9 (3, 3, 3) INTERMEDIATE RUSSIAN. Reading of classical and modern prose, oral practice, composition. Must be taken in a,b,c sequence. Prerequisite: GSD 136c.

220-2 to 6 RUSSIAN CONVERSATION. Advanced conversation based on topics of current interest. Prerequisite: GSD 136c.

301-8 (4, 4) THE RUSSIAN NOVEL IN THE NINETEENTH CENTURY. Should be taken in a,b sequence.

308-9 (3, 3, 3) SURVEY OF RUSSIAN LITERATURE. Historical survey of major movements, authors, and works in Russian to the present time. Should be taken in a,b,c sequence. Prerequisite: 201c.

311-8 (4, 4) INTRODUCTION TO RUSSIAN CLASSICAL LITERATURE. Gogol, Pushkin, Turgenev, Tolstoy. Should be taken in a,b sequence.

313-4 RUSSIAN DRAMA IN THE NINETEENTH CENTURY. Griboyedov, Gogol, Pushkin, and minor dramatists.

320-2 READINGS IN RUSSIAN LITERATURE. Selected readings in areas not covered in regular course work.

330-6 (2, 2, 2) ADVANCED COMPOSITION AND CONVERSATION. Based

on the history of Russian and the cultural heritage of the Russian people. Should be taken in a,b,c sequence concurrently with 308a,b,c.

- 414-3 RUSSIAN POETRY FROM ZHUKOVSKY TO 1920. A study of Russian poetry from Sentimentalism through Symbolism.
- 425-3 SOVIET LITERATURE SINCE 1917. A study of satirists and writers of everyday life. Constructivism and followers; Soviet literary criticism. Lectures, readings, and reports.
- 452-4 ADVANCED COMPOSITION AND CONVERSATION. Oral and written composition of a practical nature for advanced students; emphasis on study of idiomatic expressions and current usage.
- 509-3 Russian Literature of the 17th Century.
- 510-3 Russian Literature of the 18th Century.
- 514-4 (2, 2) History of the Russian Language.
- 520-4 Russian Linguistic Structure.
- 543-2 to 6 Research Problems.

SPANISH

- 140-3 (1, 1, 1) SPANISH CONVERSATION. Conversation and oral drill taken with GSD 140 by students who wish additional oral training: elected only by students enrolled in GSD 140.
- 161-0 SPANISH FOR GRADUATE STUDENTS. Intensive study of grammar and vocabulary. Designed for graduate students desiring a reading knowledge of Spanish.
- 201-9 (3, 3, 3) INTERMEDIATE SPANISH. Composition, oral practice, reading of modern authors. Must be taken in a,b,c sequence. Prerequisite: GSD 140c or two years of high-school Spanish.
- 220-2 to 6 SPANISH CONVERSATION.
- 311-9 (3, 3, 3) SURVEY OF SPANISH LITERATURE. The literature of Spain to the present. Should be taken in a,b,c sequence. Offered alternately with 333. Prerequisite: 201c.
- 316-3 CIVILIZACION ESPANOLA. A study of the cultural patterns and heritage of the Spanish people from earliest times to the present. Prerequisite: 315 or consent of instructor.
- 320-6 (2, 2, 2) ADVANCED COMPOSITION AND CONVERSATION. Required of majors and students preparing to teach. May be taken concurrently with 311 or 333.
- 333-9 (3, 3, 3) SURVEY OF SPANISH AMERICAN LITERATURE. Spanish literature in America from the conquest to modern times. Offered alternately with 311. Prerequisite: 201c.
- 351-3 ADVANCED COMPOSITION. Daily themes based on Spanish models, with free composition once a week. Class discussions.
- 360-2 to 8 TRAVEL-STUDY COURSE IN MEXICO. Lectures and course work at Mexican universities, in conjunction with the Latin American Institute's Study Abroad Program. Native professors and lecturers in Mexico City and other points visited. Individual projects and reports. Prerequisite: advanced standing in Spanish.
- 401-3 SPANISH NOVEL OF THE NINETEENTH CENTURY. Study of representative novels of Fernan Caballero, Valera, Pereda, Galdos, etc.
- 402-3 SPANISH DRAMA OF THE EIGHTEENTH AND NINETEENTH

- CENTURIES. Reading of representative plays of the chief dramatists from Moratin to the Generation of 1898.
- 403-3 SPANISH POETRY. General survey of Spanish poetry from its beginnings to 1900.
- 404-3 SPANISH LITERATURE OF THE TWENTIETH CENTURY: NOVEL AND ESSAY. Main trends of Spanish novel and essay since 1900.
- 415-3 SPANISH PHONETICS. Analysis of the sounds of Spanish and their manner of production; special drill in connected passages of prose and poetry.
- 421-3 SURVEY OF MODERNISM IN SPANISH AMERICAN POETRY. Study of its origins, characteristics, and achievements.
- 422-3 CONTEMPORARY SPANISH AMERICAN POETRY. Spanish American poetry since modernism.
- 423-3 to 4 THE MEXICAN NOVEL OF THE TWENTIETH-CENTURY. Emphasis on fiction dealing with the Revolution and related social problems.
- 424-3 to 4 GAUCHO LITERATURE. Study of the Gaucho as a social class and the types of literature developed to portray and symbolize his way of life, attitudes, and values.
- 426-3 THE MEXICAN SHORT STORY. Survey from pre-Conquest to the present.
- 427-3 SPANISH AMERICAN DRAMA. Study of representative works of Florencio Sanchez, Rodolfo Usigli, Armando Mooock, Samuel Eichelbaum, Xavier Villaurrutia, and others.
- 440-6 (3, 3) THE GOLDEN AGE: DRAMA. Plays of Lope de Vega, Calderon, Tirso de Molina, Ruiz de Alarcon, and others. May be taken in either sequence.
- 445-4 CERVANTES. *Don Quixote*; Other works assigned as collateral readings.
- 478-4 SEMINAR IN LATIN AMERICAN THOUGHT. Investigation of research topics connected with Latin American thought during the nineteenth and twentieth centuries in the fields of government, social sciences, education, literature, and philosophy. Individual studies and reports. Prerequisite: consent of instructor.
- 500-2 Seminar in Latin American Literature.
- 501-2 Seminar on a Selected Spanish Author.
- 505-3 The Picaresque Novel.
- 506-3 The Renaissance.
- 513-3 Old Spanish.
- 520-3 Seminar in Syntax.
- 525-3 The Spanish Ballads.
- 535-3 Ensayistas Mexicanas del Siglo Diecinueve.
- 538-3 Seminar on Spanish American Poetry.
- 541-3 Seminar on Spanish American Literary Criticism.
- 543-2 to 6 Research Problems.
- 599-2 to 9 Thesis.

GEOGRAPHY

Professors Douglas B. Carter, Floyd F. Cunningham, Robert A. Harper (Chairman), Campbell Pennington.

Associate Professors David E. Christensen, Annemarie Krause, Marjorie Shank (Emerita, 1964), Frank H. Thomas.

Assistant Professors Theodore H. Schmudde, Howard A. Stafford, Jr.

Visiting Professor J. H. G. Lebon.

A student may take his work in the field of geography in either the College of Liberal Arts and Sciences or the College of Education:

1. In the College of Liberal Arts and Sciences geography majors prepare for careers in federal or local government research or planning. Today, more and more private businesses are utilizing trained geographers.
2. In the College of Education geography majors prepare to teach in the elementary or secondary schools, or with further preparation, in the junior colleges. Minors prepare to teach social science and earth and physical science in elementary or secondary schools.

Today a large number of geography majors take professional training beyond the bachelor's degree. Schools, colleges, and universities and government and business establishments, as well, are calling for persons with graduate training in geography.

SUGGESTED CURRICULA IN GEOGRAPHY

GSB 101a, Geography 302, 304, 306, and 308 make up a three-stage core for training in geography. GSB 101a gives a general survey of the viewpoint of geography. The second stage consists of 302, 304, and 306. Each of these courses gives the "elements" of understanding of a particular aspect of geography that all geographers must know. The third stage is 308. In it the various elements of physical, economic, and cultural geography are tied together, and the methods used by geographers in working with the complex of man-land associations in a particular area are shown. Geography 310 introduces the student to basic techniques used by geographers: maps and quantitative methods. Geography 490 offers the student an opportunity to work intimately with one of the staff members.

It is recommended that majors complete the core courses before taking other geography courses. After completing the core, the student may choose any other geography courses in assembling the hours required for his major. However, his program should be approved by a departmental adviser.

Minors and social studies field majors, too, are expected to take the core courses, for together these courses should offer the strongest basic preparation in geography.

Most upper division courses in geography consist of two-quarter sequences. Non-majors and minors may register for the first part of the sequence, but the second part is open only to majors and others who have consent of the instructor. Titles are general rather than specific. This is to provide the maximum flexibility in content. The specific content depends upon the instructor.

In physical, economic, and cultural geography there are two advanced sequences each. This is to enable the student wishing to specialize in one of these systematic fields to gain some degree of concentration. Thus, a student interested in one of these specific fields—say, physical geography—may take both sequences in advanced physical geography. A student not interested in such specialization will make his choices from the full range of systematic and regional sequences.

A broad background in other fields is of great importance to a geographer. Thus, it is recommended that geography majors hold their hours of geography to the minimum number required for the major and use their elective hours to take work in other departments. Students interested in physical geography should consider work in the departments of geology, botany, zoology, plant industries, forestry, and physics. Students interested in economic geography can profit from work in economics, agricultural industries, marketing, and transportation. Students specializing in cultural geography will find courses in sociology, anthropology, community development, history, and government particularly useful. Students interested in the geography of a particular area of the world are encouraged to take courses on the area in other departments. Programs of the Latin American Institute and the committees on Asian, Russian, and central European studies are particularly noted.

BACHELOR OF ARTS DEGREE, COLLEGE OF LIBERAL ARTS AND SCIENCES

<i>General Studies Requirements</i> (See page 9.)	96
<i>Air Science Requirement</i> (See the General Information bulletin.)	3
<i>College of Liberal Arts and Sciences Requirements</i> (See page 10.)	33
<i>Requirements for the Major in Geography</i>	39
General Studies Area B 101a	(3)
Geography 302, 304, 306, 308, 310–6, 490–3	24
Geography electives to complete 42 hours	15
<i>Electives</i>	21
A background in statistical analysis is recommended.	
<i>Total</i>	192

BACHELOR OF SCIENCE IN EDUCATION DEGREE, COLLEGE OF EDUCATION

The curriculum leading to the Bachelor of Science in Education degree with a major in geography in the College of Education includes the following *Requirements for the Major*:

General Studies Area B 101a (counts toward the major)	(3)
General Studies Area D One year of a foreign language	(9)
Geography 302, 304, 306, 308, 310-7, 490-3	24
Geography electives to complete 48 hours (Only 42 hours are required for the major if two 24-hour minors are presented; only 36 hours are required if one other 48-hour major is presented.)	21

A background in statistical analysis is recommended. Other requirements for the degree are given in the College of Education bulletin.

COURSE DESCRIPTIONS

- 300-4 WORLD CULTURAL GEOGRAPHY. World survey for students in other departments. The factors of population distribution. Not open to those who have had GSB 101a.
- 302-4 INTRODUCTION TO PHYSICAL GEOGRAPHY. Study of the nature of the earth's landforms, climate, water resources, natural vegetation, and soils with particular emphasis on their areal differences and distribution. Their relationships to each other and their importance to man are also considered. Prerequisite: GSB 101a.
- 304-4 INTRODUCTION TO ECONOMIC GEOGRAPHY. Study of the spatial distribution and interaction of economic activities. Introduction to locational theory. Prerequisite: GSB 101a.
- 306-4 INTRODUCTION TO CULTURAL GEOGRAPHY. An overview of the geographic viewpoint in the study of the human occupancy of the earth. Aspects of population, settlement, and political geography are treated, and a generalized survey of major world cultural areas is used to integrate course elements. Prerequisite: GSB 101a.
- 308-3 INTRODUCTION TO GEOGRAPHIC METHODS. Methods of integrating physical, economic, and cultural elements in the study of areas. Focus on generalizations concerning selected areas of varying magnitude and character. Cartographic and quantitative techniques utilized. Prerequisites: 302, 304, 306.
- 310-7 (4, 3) INTRODUCTION TO CARTOGRAPHIC METHODS. Studies of properties of maps and air photos, their uses and sources. Maps as means of expression in scientific investigation. Introduction to the use of quantitative techniques as applied in geographic study. Laboratory. Prerequisite: GSB 101a.
- 324-4 RESTORATION AND CONSERVATION OF NATURAL RESOURCES. Survey of major resources of United States with stress on problems of conservation and restoration. Emphasis on water, mineral, forest, grass,

- soil, wildlife, scenic, and recreational resources. Field trips. Prerequisite: GSB 101a or consent of instructor.
- 343-4 TEACHING OF GEOGRAPHY. Presentation and evaluation of methods of teaching geography. Emphasis upon geographic literature, illustrative materials, and teaching devices suitable to particular age levels. Prerequisite: GSB 101a.
- 387-2 to 4 HONORS IN GEOGRAPHY. Supervised research and investigation in different branches of geography. Open to students in the honors program.
- 402-7 (4, 3), 403-7 (4, 3) ADVANCED PHYSICAL GEOGRAPHY I, II. Deals with one or more of the following: land forms, climate, soil, and water; depending on and varying with, interests of the instructors. Thus, a student may register more than one time. Emphasis on familiarizing the student with techniques of analysis and on developing concepts and principles that underlie understanding of the phenomena and their geographic significance. Prerequisites: 302 or consent.
- 404-7 (4, 3), 405-7 (4, 3) ADVANCED ECONOMIC GEOGRAPHY I, II. Deals with one or more of the following: transportation, manufacturing, agriculture, resources, trade and urban geography; depending on and varying with, interests of the instructors. Thus, a student may register more than one time. Emphasis on familiarizing the student with techniques of analysis and on developing concepts and principles that underlie understanding of the phenomena and their geographic significance. Prerequisite: 304 or consent.
- 406-7 (4, 3), 407-7 (4, 3) ADVANCED CULTURAL GEOGRAPHY I, II. Deals with one or more of the following: population, settlement, ethnic characteristics, political factors; depending on and varying with, interests of the instructors. Thus, a student may register more than one time. Emphasis on familiarizing the student with techniques of analysis, and on developing concepts and principles that underlie understanding of the phenomena and their geographic significance. Prerequisite: 306 or consent.
- 410-8 (4, 4) ADVANCED GEOGRAPHIC TECHNIQUES. Geographic applications of cartographic and quantitative research techniques. Prerequisite: 310 or consent of instructor.
- 416-8 (4, 4) ADVANCED CARTOGRAPHY. Instruction and practice in the basic techniques of map-making and analysis; consideration and solution of problems involved in the construction of large, medium, and small scale maps; problems in map reproduction.
- 440-2 to 6 READING FOR MAJORS. Supervised readings in selected subjects. Prerequisite: advanced standing.
- 461-7 (4, 3) ADVANCED REGIONAL GEOGRAPHY: ANGLO-AMERICA. Deals geographically with present-day United States and Canada. (a) a general survey of the area, open to non-majors; (b) investigation of specific topics in depth, for majors. Must be taken in a,b sequence. Prerequisite: 308 or consent of department.
- 462-7 (4, 3) ADVANCED REGIONAL GEOGRAPHY: EUROPE. Deals geographically with present-day Europe. (a) a general survey of the area, open to non-majors; (b) investigation of specific topics in depth, for majors. Must be taken in a,b sequence. Prerequisite: 308 or consent.

- 463-7 (4, 3) ADVANCED REGIONAL GEOGRAPHY: MEDITERRANEAN LANDS AND SOUTHWESTERN ASIA. Deals geographically with present-day Mediterranean Lands & Southwestern Asia. (a) a general survey of the area, open to non-majors; (b) investigation of specific topics in depth, for majors. Must be taken in a,b sequence. Prerequisite: 308 or consent of department.
- 464-7 (4, 3) ADVANCED REGIONAL GEOGRAPHY: SOVIET WORLD. Deals geographically with present-day Soviet World. (a) a general survey of the area, open to non-majors; (b) investigation of specific topics in depth, for majors. Must be taken in a,b sequence. Prerequisite: 308 or consent of department.
- 465-7 (4, 3) ADVANCED REGIONAL GEOGRAPHY: SUBSAHARAN AFRICA. Deals geographically with present-day Sub-Saharan Africa. (a) a general survey of the area, open to non-majors; (b) investigation of specific topics in depth, for majors. Must be taken in a,b sequence. Prerequisite: 308 or consent of department.
- 466-7 (4, 3) ADVANCED REGIONAL GEOGRAPHY: EASTERN AND SOUTHERN ASIA. Deals geographically with present-day Eastern & Southern Asia. (a) a general survey of the area, open to non-majors; (b) investigation of specific topics in depth, for majors. Must be taken in a,b sequence. Prerequisite: 308 or consent of department.
- 467-7 (4, 3) ADVANCED REGIONAL GEOGRAPHY: LATIN AMERICA. Deals geographically with present-day Latin America. (a) a general survey of the area, open to non-majors; (b) investigation of specific topics in depth, for majors. Must be taken in a,b sequence. Prerequisite: 308 or consent of department.
- 468-7 (4, 3) ADVANCED REGIONAL GEOGRAPHY: OCEANIA. Deals geographically with present-day Oceania. (a) a general survey of the area open to non-majors; (b) investigation of specific topics in depth, for majors. Must be taken in a,b sequence. Prerequisite: 308 or consent of department.
- 470-12 (4, 4, 4) URBAN PLANNING. (470a is same as Government 470.) An interdepartmental course in the basic problems of planning in the urban community. Includes the administrative and physical principles involved in the planning of urban land use. Emphasis upon research techniques, design principles, and governmental instrumentalities in the planning process. Must be taken in a,b,c sequence. Prerequisite: 308 or consent of instructor.
- 471-7 (4, 3) REGIONAL PLANNING. Examination of the viewpoint, methods, and techniques of regional planning. Must be taken in a,b sequence. Prerequisite: consent of instructor.
- 480-4 WORKSHOP IN THE TEACHING OF GEOGRAPHY. (not open to those with credit in 343) Gives the geographic approach to man in space. Skills, techniques in the use of maps, globes, pictures, statistics and graphics, and reading the landscape and literature will be acquired. Prerequisite: GSB 101a.
- 490-3 (1, 1, 1) TUTORIAL IN GEOGRAPHY. Regular individual and small group conferences with staff members to examine geographic concepts.
- 500-4, 501-4 Geographic Techniques I, II.
- 511-4 Philosophy of Geography.

- 514-2 Teaching of College Geography.
- 515-4 to 6 Field Course.
- 520-2 to 8 Seminar in Physical Geography.
- 521-2 to 8 Seminar in Economic Geography.
- 522-2 to 12 Seminar in Regional Geography.
- 523-4 Seminar in Cartography.
- 524-2 to 8 Seminar in Cultural Geography.
- 527-2 to 8 Seminar in Urban and Regional Planning.
- 530-2 to 10 Independent Studies in Geography.
- 540a-2 to 12 Research in Physical Geography.
- 540b-2 to 12 Research in Economic Geography.
- 540c-2 to 12 Research in Regional Geography.
- 540d-2 to 12 Research in Cultural Geography.
- 599-3 to 9 Thesis.

GEOLOGY

Professors Fred Donald Bloss, Stanley E. Harris, Jr. (Chairman).
Associate Professors Daniel N. Miller, Jr., David Nicol.
Assistant Professors Dewey Harold Amos, Frank James Bell, Jen-Ho Fang.

SUGGESTED CURRICULUM IN GEOLOGY

BACHELOR OF ARTS DEGREE, COLLEGE OF LIBERAL ARTS AND SCIENCES

<i>General Studies Requirements</i> (See page 9.)	87
<i>Air Science Requirement</i> (See the General Information bulletin.)	3
<i>College of Liberal Arts and Sciences Requirements</i> (See page 10.)	33
<i>Requirements for the Major in Geology</i>	75
General Studies Area D 114-9	(9)
Chemistry 111-15	15
Geology 220, 221, 302, 310, 405, 425a, 431	30
Geology 311, 312, 315, 425b, 425c (any 3)	12
Geology electives to complete 50 hours	8
Mathematics 150a	5
Physics	5
<i>Total</i>	198

A summer field course in geology should be taken between junior and senior years. Additional work in chemistry, mathematics, physics, or biology may be necessary to support specialities. It is recommended that students majoring in geology should minor in chemistry, mathematics, physics, or zoology. A minor in some other area should be approved by the department.

Preparations for a professional career usually require graduate study.

MINOR

A minor in geology consists of 24 hours determined by consultation with the department's major adviser.

COURSE DESCRIPTIONS

- 220-5 PHYSICAL GEOLOGY. A study of the principal minerals and rocks of the earth's crust, emphasizing origin and identification; the physical processes active in producing the surface features of the earth. Laboratory and field trips required.
- 221-5 HISTORICAL GEOLOGY. Presenting in chronological order the procession of physical and biotic changes through which the earth has passed. Includes the physical history and evolution of life forms as evidenced by fossil records. Laboratory. Prerequisite: 220 or consent of instructor, elementary course in zoology or botany recommended.
- 302-4 STRUCTURAL GEOLOGY. A study of the forces involved in the deformation of the earth's crust, with special emphasis on the recognition, interpretation, and illustration of the resultant geologic structures. Laboratory. Prerequisite: 220, 221.
- 310-4 CRYSTALLOGRAPHY. The study of morphological crystallography including crystal symmetry, Hermann-Mauguin symbolism for the crystal classes, and solution of problems by means of the stereographic projection. Prerequisite: Trigonometry.
- 311-4, 312-4 DETERMINATIVE MINERALOGY. A study of nonsilicate and silicate minerals including the influence of crystal chemistry upon their physical and chemical properties. Laboratory practice in chemical determination and sight identification. Prerequisites: 310, Chemistry 111b (concurrently).
- 315-4 PETROLOGY. A study of the characteristics and classification of rocks, their origin and geologic distribution. Laboratory. Prerequisite: 220.
- 320-4 ECONOMIC GEOLOGY. Study of the world's larger mining districts and the economics and political importance of their geological resources.
- GSA 321-3 INTRODUCTION TO PALEONTOLOGY.
- 405-3 GEOLOGIC INTERPRETATION OF MAPS AND AIR PHOTOS. Interpretation and use of air photos in geologic mapping; interpretation and construction of geologic maps, such as areal, structure, isopach, paleogeologic. Laboratory. Prerequisites: 221, 302, 431.
- 410-4 STRATIGRAPHY AND SEDIMENTATION. The features of sedimentary rocks and their processes of origin and diagenesis; the classification of stratigraphic units, methods of correlation, and paleogeologic reconstruction. Laboratory. Prerequisites: 220, 221.
- 414-5 PALEOBOTANY (See Botany 414.)
- 415-4 OPTICAL MINERALOGY. The optical properties of minerals and the use of the petrographic microscope for identification by the immersion method and by thin section. Laboratory. Prerequisite: 310.
- 416-4 X-RAY CRYSTALLOGRAPHY. Identification of unknown crystalline materials and determination of lattice parameters by X-ray techniques. Prerequisite: 310 or consent of instructor.

- 420-9 (3, 3, 3) **GEOLOGY OF PETROLEUM.** Geological occurrence of petroleum, including origin, migration, and accumulation; a study of exploration tools and methods: (a) study and interpretation of logs and applications of other tools, (b) study and application of subsurface information, (c) study of subsurface cuttings, correlation with other data. Laboratory and field trips and written reports required. Must be taken in a,b,c sequence. Prerequisites: 221, 302.
- 425-13 (5, 4, 4) **PALEONTOLOGY.** Study of the invertebrates and their fossil representatives. Includes classification, evolution, paleoecology, and geographic and stratigraphic distribution. (a) Important invertebrate phyla and their fossil representatives; (b) the mollusca, arthropoda, brachiopoda, and echinodermata; (c) the protozoa, porifera, coelenterata, bryozoa, and other minor groups. Must be taken in a,b,c sequence. Prerequisite: 221.
- 430-4 **PHYSIOGRAPHIC PROVINCES OF NORTH AMERICA.** (Same as Geography 430.) Designed to give the student an intelligent appreciation of the evolution of land forms in the physiographic provinces of North America; to explain the surface features in a landscape; and to interpret the human drama related thereto. Prerequisite: 220 or GSB 101a.
- 431-4 **GEOMORPHOLOGY.** A study of land forms, relating topographic features to the underlying rocks and structure and to processes of erosion, deposition, and earth movements. Prerequisite: 220 or GSB 101a.
- 440-1 to 4 **INDEPENDENT STUDY.** Prerequisites: 220, 221, advanced standing.
- 450-9 **FIELD GEOLOGY.** A field mapping course including problems in stratigraphy, structure, paleontology, physiography, and economic geology. Requires a written geologic report. Consult departmental office for dates, cost, and equipment needed. Prerequisite: 302.
- 510-9 (3, 3, 3) **Stratigraphy (Paleozoic, Mesozoic, Cenozoic).**
- 515-12 (4, 4, 4) **Mineral Deposits (Principles, Metallics, Non-Metallics).**
- 520-12 (4, 4, 4) **Advanced Petrology (Igneous, Metamorphic, Sedimentary).**
- 528-3 **Introduction to Micropaleontology.**
- 540-1 to 9 **Advanced Studies.**
- 541-1 to 9 **Research.**
- 599-2 to 9 **Thesis.**

GOVERNMENT

Research Professor Rexford Guy Tugwell.

Professors Abdul Abbass, Orville Alexander (Chairman), Jack F. Isakoff, Horace B. Jacobini, Frank L. Klingberg, Robert A. McGrath, Ward M. Morton, David Carson Scott, Willis G. Swartz, Max Wesley Turner, William O. Winter.

Associate Professors Earl Hanson, Irving Howards, David T. Kenney, Randall H. Nelson, John S. Rendleman, Marian E. Ridgeway, M. M. Sappenfield.

Assistant Professors Ikua Chou, William Hardenbergh, Egon Kamarasy, Elmo M. Roberts.

Instructors Rino Bianchi, David Frier.

Visiting Professors Clarence A. Berdahl, Frederick H. Guild.

Lecturer Manfred Landecker.

An undergraduate major for a student in the College of Liberal Arts and Sciences consists of 36 hours, and 42 hours for a student in the College of Education. A major or minor is recommended for persons planning to teach civics or government courses, and for those planning to qualify for the study of law or for public service. Students majoring in government are urged to take as much work as possible in other social science departments, with at least one minor in a related field. Students planning to take graduate work in government beyond the master's degree should acquire a reading knowledge of both French and German.

Government majors and minors should meet the second-level requirement in GSB by taking GSB 201-9. Such students should then begin their work in government with Government 231 and 232, which are basic courses and prerequisites for many more advanced courses. Majors and minors may, however, take GSB 211-9; in this case they are not permitted to take Government 231 but may take 232.

SUGGESTED CURRICULA IN GOVERNMENT

BACHELOR OF ARTS DEGREE, COLLEGE OF LIBERAL ARTS AND SCIENCES

<i>General Studies Requirements</i> (See page 9.)	96
<i>Air Science Requirement</i> (See the General Information bulletin)	3
<i>College of Liberal Arts and Sciences Requirements</i> (See page 10.)	33
<i>Requirements for the Major in Government</i>	42
GSB 201-9	(9)
Government 231 (or GSB 211b,c), 232	10
Government electives to total at least 42 hours, preferably according to one of three recommended sequences:	32
305, 360, 379, 380, 462, 471, 472, 495-8, GSB 303, 390, 392	(44)
Specialization in International Affairs: 243, 371, 453, 456, 457, 458, 459, 460, 471, 472, 475, 480, GSB 303, 385, 390	(55)
Specialization in Public Administration: 305, 315, 340, 360, 410, 420, 432, 434, 435, 436, 438, 440, 461, 462, 463, 464, 466, 467, 468, 469, 470, 495	(77)
<i>Electives</i>	18
<i>Total</i>	192

BACHELOR OF SCIENCE IN EDUCATION DEGREE, COLLEGE OF EDUCATION

The curriculum leading to the Bachelor of Science in Education degree with a major in government includes 36 hours selected from the following:

Government 231, 232, 243, 305, 315, 330, 360, 371, 379, 380, 420, 466, 467, 472, 495, GSB 385, 390

Other requirements for the degree are given in the College of Education bulletin.

MINOR

A minor is 24 hours, in either college.

COURSE DESCRIPTIONS

- 231-5 AMERICAN NATIONAL GOVERNMENT. A survey covering the structure, functions, and principles of national government. Also meets social science and American government requirements.
- 232-5 STATE AND LOCAL GOVERNMENT. A survey of the structure and functions of American state and local government.
- 300-4 AMERICAN GOVERNMENT. An advanced course to satisfy the American government requirements of the College of Education. Deals with the structure and functions of national, state, and local government. Not open to those who have had 231 or GSB 211b.
- GSB 303-3 INTERNATIONAL RELATIONS.
- 305-5 DEVELOPMENT OF THE AMERICAN CONSTITUTION. The evolution of the United States constitutional system. Recommended for pre-law students. Prerequisite: 231.
- 315-3 ADMINISTRATION OF JUSTICE. The organization and work of the American judicial system. Recommended for prelaw students. Prerequisite: 232.
- 321-1 to 6 READINGS IN GOVERNMENT. Consent of instructor required.
- 330-2 ILLINOIS GOVERNMENT. The development and functioning of government in Illinois. Prerequisite: 232.
- 340-3 THE LEGISLATIVE PROCESS. A study of the principles, organization, and work of American legislative bodies. Prerequisite: 231.
- GSB 345-3 INTRODUCTION TO AMERICAN FOREIGN POLICY. An introductory course dealing with the significance of foreign policy to American citizens.
- 360-5 PUBLIC ADMINISTRATION. Principles and problems of administration on the national, state, and local level. Prerequisite: 231.
- 361-3 PROBLEMS IN PUBLIC ADMINISTRATION AND POLICY FORMATION. A study of various problems in public administration and policy, primarily as they appear in actual case situations. This course is designed for those who do not intend to concentrate in public administration. Prerequisite: 360 or consent of instructor.
- 363-3 UNITED STATES-LATIN AMERICAN RELATIONS. A study of the governmental relations between the United States and the various nations of Latin America. Prerequisite: 231.
- 371-3 PROBLEMS OF AMERICAN FOREIGN POLICY. An analysis of selected problems in the field of American foreign policy. Prerequisite: 231 or 243.
- 379-3 POLITICAL PARTIES II. A study of the historical development of American political parties. Prerequisite: 231 or 232.

- 380-3 POLITICAL PARTIES. The development and work of American political parties. Prerequisite: 231 or 232.
- GSB 385-3 CONTEMPORARY POLITICAL ISMS.
- GSB 390-3 INTRODUCTION TO COMPARATIVE GOVERNMENT.
- GSB 392-3 INTRODUCTION TO LATIN AMERICAN GOVERNMENT AND POLITICS.
- 398-3 GOVERNMENT AND LAW. Techniques of law (classification, rights, and duties). Legal personality, public law and private law, criminal law, juristic acts. Property, possession and procedure. Prerequisite: 231.
- 406-4 THE AMERICAN CHIEF EXECUTIVE: PRESIDENT AND GOVERNOR. A study of the origin and background of the presidency and the governorship, qualifications, nomination and election, succession and removal, the organization of the executive branch, and the powers and functions of the president and governor. Prerequisites: 231 and 232.
- 410-3 LABOR AND POLITICS. A political history of the American labor movement from its early nineteenth-century origins to the present day. Attention is given to the political philosophy and practice of labor unions. Prerequisite: 231.
- 415-3 POLITICAL BEHAVIOR. An analysis of the nature of public opinion and methods of influencing political behavior. Major attention given to studying the basic psychological attitudes and behavior. Prerequisite: 231.
- 420-3 PRESSURE GROUPS AND POLITICS. An analysis of interest groups and their techniques of political propaganda. Prerequisite: 231.
- 430-3 GOVERNMENT AND NATIONAL SECURITY. A study of the organization of government for national security, the historical and current developments in civil-military relations, the legal status of military organizations, scientific developments in military affairs, overseas military aid programs, international defense programs, and the problems of disarmament. Prerequisite: 231 or consent of instructor.
- 432-3 GOVERNMENT AND NATURAL RESOURCES. A study of the administrative and policy problems in the development of multiple purpose conservation programs by the national government. Prerequisite: 231 or consent of instructor.
- 434-3 GOVERNMENT AND AGRICULTURE. A historical and contemporary survey of the role of agriculture in politics, the major and minor farm parties and pressure groups, the elements of the current "farm problem," and the influence of agriculture in public agencies and the formation of public policy. Prerequisite: 231.
- 435-4 GOVERNMENT AND BUSINESS. A historical study, with contemporary emphasis upon relations between government and economic institutions. Prerequisite: 231 or consent of instructor.
- 436-3 GOVERNMENT AND LABOR. (Same as Economics 436.) A study of labor relations and legislation considering both constitutional and economic aspects. Prerequisite: 231, GSB 211a, or consent of the instructor.
- 438-4 SOCIAL WELFARE LEGISLATION. The Social Security Act and other legislation of major significance for the welfare and maintenance of the family, the handicapped, children, and other special groups. Their relationship to the legal structure of federal, state, county, township, and municipal welfare facilities and institutions with indications of economic and social consequences. Prerequisite: 231 or consent of instructor.
- 440-4 PUBLIC PERSONNEL ADMINISTRATION. A survey of the methods

- and functions of modern public personnel administration. Prerequisite: 360.
- 441-4 PHILOSOPHY OF POLITICS. (Same as Philosophy 441.) Some of the central problems of modern political life, such as sovereignty, world government, authority and consent, the relations of economics and social studies to political theory. Prerequisite: GSC 102 or 340 or consent of instructor.
- 452-4 GOVERNMENTS AND POLITICS OF SUB-SAHARA AFRICA. A study of the governments and politics of the former and present British and French territories: Ghana, Nigeria, Kenya, Guinea, Congo, Senegal, etc. Prerequisite: GSB 390 or consent of instructor.
- 453-4 SOVIET RUSSIA AND THE COMMUNIST STATES OF EASTERN EUROPE. An intensive study and research exercise in the government and politics of the Soviet Union. Prerequisite: GSB 390 or consent of instructor.
- 454-8 DEVELOPMENT OF GERMAN DEMOCRACY. Offered co-operatively by Southern Illinois University and the University of Hamburg. Involves a summer's residence in Hamburg, Germany, and study under professors of the two co-operating universities. Prerequisite: consent of the American professor.
- 455-4 MAJOR GOVERNMENTS OF WESTERN AND CENTRAL EUROPE. A comparative study of the political systems of the major countries of western and central Europe. Prerequisite: GSB 390 or consent of instructor.
- 456-4 GREAT BRITAIN AND THE BRITISH EMPIRE. A survey of the governmental institutions and practices within the British Empire, with particular attention to the political systems of Australia, Canada, and South Africa. (The governments of India and Pakistan are treated in 460.) Prerequisite: GSB 390 or consent of instructor.
- 457-8 (4, 4) GOVERNMENT AND POLITICS IN THE NEAR AND MIDDLE EAST. Iran, Iraq, Syria, Lebanon, Egypt, Jordan, Saudi Arabia, etc. Prerequisite: 390 or consent of instructor.
- 458-4 GOVERNMENT AND POLITICS OF SOUTHEAST ASIA. Burma, Thailand, Malaya, Indo-China, Indonesia, Philippines. Prerequisite: GSB 390 or consent of instructor.
- 459-4 GOVERNMENT AND POLITICS OF THE FAR EAST. China, Japan, Korea, Formosa. Prerequisite: GSB 390 or consent of instructor.
- 460-4 GOVERNMENT AND POLITICS OF SOUTH ASIA. India, Pakistan, Ceylon. Prerequisite: GSB 390 or consent of instructor.
- 461-4 THEORY OF PUBLIC ADMINISTRATION. Analysis of various theoretical approaches to public administration with emphasis on recent American literature in this field. Prerequisite: 360 or consent of instructor.
- 462-3 ADMINISTRATIVE ORGANIZATION. A survey of the reorganization movement as a whole in the United States with emphasis on recent national, state, and local developments. Prerequisite: 360 or consent of instructor.
- 463-3 GOVERNMENT SOCIAL AND ECONOMIC POLICY. Exploration of contemporary agencies of policy-determination within the national government; attention to methods and devices utilized to effectuate national social and economic policy within the Federal system; appraisal of historical developments, trends, and results as they affect American govern-

- mental, Constitutional, and political philosophy; public administration; and the general welfare. Prerequisite: 231 and 360, or consent of instructor.
- 464-3 REGULATORY ADMINISTRATION. A study of the work of the major regulatory commissions of the national government. Prerequisite: 360 or consent of instructor.
- 466-3 STATE GOVERNMENT AND ADMINISTRATION. Leading problems of government and administration of American states. Prerequisite: 232.
- 467-4 MUNICIPAL GOVERNMENT AND ADMINISTRATION. Development and functioning of city government in the United States. Prerequisite: 232.
- 468-3 COUNTY GOVERNMENT IN THE UNITED STATES. An examination of the traditional rural county and township, the growing number of metropolitan counties, and the associated growth of special districts in the United States. Prerequisite: 232.
- 469-3 ADMINISTRATION OF STATE AND LOCAL FINANCE. An examination of the administrative problems connected with local and state revenues and expenditures in the United States. Prerequisite: 232.
- 470-4 URBAN PLANNING. (See Geography 470a.)
- 471-4 THE ORGANIZATION AND ADMINISTRATION OF AMERICAN FOREIGN POLICY. An advanced course. Prerequisite: 243 or 371.
- 472-4 INTERNATIONAL GOVERNMENT. Development and organization of international governmental and administrative systems, with emphasis on the United Nations. Prerequisite: GSB 303.
- 475-4 INTERNATIONAL LAW. Rules and practices governing the nations in their relations in peace and war. Prerequisite: GSB 303.
- 478-4 INTERNATIONAL POLITICS. A study of the interplay of political forces in the international community. Particular emphasis will be placed on war-time diplomacy, peace treaties, the alignments and conflicts of power in the post-war period. Prerequisite: GSB 303 or consent of instructor.
- 480-4 THE PACIFIC AND THE FAR EAST. Political and strategic problems in this area. Prerequisite: 303 or History 367b.
- 484-8 (4, 4) HISTORY OF POLITICAL THEORIES. (a) Political theories of the ancient and medieval periods including those of Aristotle, Plato, Cicero, St. Augustine, and Thomas Aquinas; (b) political theories from the Renaissance to the end of the eighteenth century including those of Machiavelli, Hobbes, Rousseau, Locke, and Burke. Prerequisite: 6 hours of government.
- 485-4 RENAISSANCE AND RATIONALISTS POLITICAL THEORIES. Important political theories from the Renaissance to the end of the eighteenth century, including the theories of Machiavelli, Hobbes, Rousseau, Locke, and Burke. Prerequisite: 6 hours of government.
- 487-4 AMERICAN POLITICAL IDEAS. A historical study of the political ideas of leading American statesmen and publicists, and their resulting influence upon our governmental system. Prerequisite: 305 or GSB 385.
- 488-9 (3, 3, 3) RECENT POLITICAL THEORY. (a) The outstanding Anglo-American liberal political theorists from John Stuart Mill to the present; (b) the outstanding "scientific" political theorists from Karl Marx to the present; (c) the outstanding idealistic and nationalistic political theorists from Hegel to the present. Prerequisites: 305, GSB 385.

- 495-8 (4, 4) CONSTITUTIONAL LAW. Emphasis on cases dealing with the framework of American (a) federal system, and (b) liberties. Prerequisite: 231.
- 497-4 ADMINISTRATIVE LAW. Law as it affects public officials in carrying out the rights, duties, and necessary functions of the public office. Prerequisite: 360.
- 498-4 JURISPRUDENCE. (Theories of Law.) Major schools in legal thinking. Positive law and natural law. Idea of justice and concept of natural rights. Prerequisite: 231.
- 499-4 RESEARCH METHODS. Practical training in research and writing techniques in the field of government. Bibliographical materials, footnotes, use of law library facilities, and government documents. Required of all beginning graduate students.
- 501-2 to 9 Seminar in Contemporary Legislation.
- 502-2 to 9 Seminar in Governmental Problems.
- 503-2 to 9 Seminar in Pressure Groups.
- 505-2 to 9 Seminar in Political Parties.
- 508-2 to 9 Seminar in International Relations.
- 509-2 to 9 Seminar in International Organization.
- 510-2 to 9 Seminar in State Government.
- 511-2 to 9 Seminar in Local Government.
- 512-2 to 9 Seminar in Public Administration.
- 513-2 to 9 Seminar in Constitutional Law.
- 515-2 to 9 Seminar in Comparative Constitutions.
- 516-2 to 9 Seminar in Municipal Administration.
- 517-2 to 9 Seminar in Problems in Political Theory.
- 520-2 to 9 Seminar in American Foreign Policy.
- 521-1 to 12 Readings.
- 525-2 to 9 Seminar in International Law.
- 526-2 to 9 Seminar in County Government.
- 530-4 to 12 Internship in Public Affairs.
- 595-2 to 12 Individual Research.
- 598-1 Teaching Government.
- 599-2 to 9 Thesis.
- 600-1 to 48 Dissertation.

HEALTH SCIENCE

Students in the College of Liberal Arts and Sciences may major in health science. This program is interdepartmental. Professor Willard M. Gersbacher of the Department of Zoology is the co-ordinator for this program.

SUGGESTED CURRICULUM IN HEALTH SCIENCE

BACHELOR OF ARTS DEGREE, COLLEGE OF LIBERAL ARTS AND SCIENCES

General Studies Requirements (See page 9.) 87

<i>Air Science Requirement</i> (See the General Information bulletin.) ..	3
<i>College of Liberal Arts and Sciences Requirements</i> (See page 10.)	9
The health science curriculum includes the major and minor.	
<i>Requirements for the Major in Health Science</i>	87
GSA 201-9, 301	(13)
GSB 201-9, 211-9	(9) + 9
GSD 108-9, and 123-9 or 126-9 ¹	(18)
GSE 201	(3)
Chemistry 111a,b, 305a	14
Government 232, 360, 440	14
Health Education 300, 325, 355, 356	15
Microbiology 301	5
Psychology 305, 307, 432	12
Sociology 335, 336	8
Zoology 102, 103	10
<i>Electives</i>	6
<i>Total</i>	192

Recommended electives for specialization in sanitation: Microbiology 422, 423; Agricultural Industries 303; Animal Industries 231; Government 466; Physics 206-15; Zoology 306 or 316, 310, 406.

Recommended electives for specialization in public health laboratory: Chemistry 235, 451a,b; Government 466; Microbiology 403, 422, 423, 425; Physiology 315c, 433; Zoology 306 or 316.

There is no minor in Health Science.

HISTORY

Research Professor C. Harvey Gardiner.

Professors George W. Adams (Chairman), Harold E. Briggs, Ping-chia Kuo.

Associate Professors Harry Ammon, George L. Cherry, Betty Fladeland, William A. Pitkin, John I. Wright (Emeritus, 1963).

Assistant Professors Howard Allen, Sanford Elwitt, Donald R. Kelley, Lonnie R. Shelby, Dan Silverman.

Instructor Edward O'Day.

Students who intend to make history their major field should confer with a representative of the department at the time of registration. Forty-eight hours are required for a major in history either in the College of Liberal Arts and Sciences or the College of Education. Students should be careful to elect approximately the same number of 400-level as of 300-

¹ Health science majors should elect a year of either French or German. Other languages may be substituted by special permission only.

level hours in the major, and care should also be taken to distribute the work in the various fields of history. One year of acceptable work in a foreign language is required of history majors.

SUGGESTED CURRICULUM IN HISTORY

BACHELOR OF ARTS DEGREE, COLLEGE OF LIBERAL ARTS AND SCIENCES

<i>General Studies Requirements</i> (See page 9.)	96
<i>Air Science Requirement</i> (See the General Information bulletin.)	3
<i>College of Liberal Arts and Sciences Requirements</i> (See page 10.)	33
<i>Requirements for the Major in History</i>	36
GSB 101b,c, 300-9 (Count toward the total of 48 hours in history) (12) + 3	
History 452	3
History electives to complete 48 hours	30
<i>Electives</i>	24
<i>Total</i>	192

MINOR

Thirty hours are required for a minor in history, and must include GSB 101b,c, 300. Students wishing to use a history minor in the College of Education should take 12 hours each in the foreign and American fields.

COURSE DESCRIPTIONS

- GSB 300-9 (3, 3, 3) HISTORY OF THE UNITED STATES.
- 304-9 (3, 3, 3) HISTORY OF THE ANCIENT WORLD. (a) The Near East, (b) Greece, (c) Rome. May be taken individually or in any sequence.
- 308-3 HISTORY OF ILLINOIS. The history of the state from 1818 to the present. Recommended for history majors and those who expect to teach in elementary schools.
- 311-3 MEDIEVAL HISTORY. Europe from the fall of Rome to the establishment of national monarchies.
- 312-3 CENTRAL EUROPE IN THE 19TH CENTURY. An analysis of the nationalist movements in Central Europe leading to the unification of Germany and Italy and the disintegrating tendencies in the Austro-Hungarian monarchy.
- 322-12 (4, 4, 4) ENGLISH HISTORY. (a) Britain to 1603, (b) 1603-1815, (c) since 1815. May be taken individually or in any sequence.
- GSB 323-3 EAST AND WEST IN THE TWENTIETH CENTURY.
- 330-3 THE REVOLUTION AND THE CONSTITUTION. A study of the conflicting forces which produced the American Revolution, led to the creation of the federal union and shaped the early republic.
- 352-9 (3, 3, 3) HISTORY OF LATIN AMERICA. (a) Colonial Latin America,

- (b) Independent Latin America, (c) Latin America in World Affairs. May be taken individually or in any sequence.
- 365-4 HISTORY OF CHINESE CIVILIZATION. A study of the march of Chinese civilization from prehistoric times to the present, stressing social structure, government institutions, and intellectual movements.
- 367-6 (3, 3) HISTORY OF THE FAR EAST. (a) Introduction to 1800, (b) 1800-1945. May be taken singly or in either sequence.
- GSB 369-3 THE CONTEMPORARY FAR EAST.
- 372-6 (3, 3) HISTORY OF RUSSIA. (a) To 1905, (b) since 1905. May be taken individually or in any sequence.
- 401-6 (3, 3) HISTORY OF THE SOUTH. (a) The Old South, (b) The New South. May be taken individually or in any sequence.
- 405-3 CIVIL WAR AND RECONSTRUCTION. Emphasis upon the clash of national and sectional interests; economic, political, and military aspects of the conflict; course and consequences of reconstruction. Prerequisite: 201b, 300b, or consent of instructor.
- 410-2 to 5 SPECIAL READINGS IN HISTORY. Supervised readings for students with sufficient background. Registration by special permission only. Offered on demand.
- 411-9 (3, 3, 3) SOCIAL AND INTELLECTUAL HISTORY OF THE UNITED STATES. The development of American society and a study of various types of economic, social, and political thought that have influenced it. (a) To 1830, (b) 1830-1900, (c) since 1900. May be taken singly or in any sequence.
- 415-9 (3, 3, 3) EARLY MODERN EUROPE. (a) Renaissance, (b) Reformation, (c) Age of Absolutism and Enlightenment. May be taken individually or in any sequence.
- 417-9 (3, 3, 3) ADVANCED ENGLISH HISTORY. (a) The Empire-Commonwealth, (b) Constitutional History, (c) English Culture in the Age of the American Revolution. May be taken in any sequence.
- 420-3 THE FRENCH REVOLUTION. A sketch of the passing of feudalism in France, the background and development of the revolutionary movement, and the Napoleonic period.
- 425-3 AMERICAN COLONIAL HISTORY. Founding of the American colonies, both French and English, and the development of political and economic institutions through the Revolutionary period.
- 430-9 (3, 3, 3) LATE MODERN EUROPE. (a) Age of Revolution, 1815-1880, (b) 1880-1918, (c) since 1918-Age of Dictatorships. May be taken in any sequence.
- 435-9 (3, 3, 3) RECENT UNITED STATES HISTORY. (a) 1877-1912, (b) 1913-1932, (c) 1933 to the present. May be taken in any sequence.
- 440-6 (3, 3) HISTORY OF AMERICAN DIPLOMACY. (a) To 1913, (b) 1913 to the present. May be taken in either sequence.
- 442-9 (3, 3, 3) HISTORY OF THE WEST. (a) Colonial, (b) Trans-Allegheny, (c) Trans-Mississippi. May be taken in any sequence.
- 449-3 DEVELOPMENT OF AFRO-ASIAN NATIONALISM. The reaction of the non-Western world to the impact of colonial control, industrialization, and modernization. Detailed study of the rise of national movements, the winning of independence, and the relation of Afro-Asian nationalism to the Communist World.

- 451-3 HISTORIOGRAPHY. Development of history as a written subject, including works and philosophy of the various outstanding historians in ancient, medieval, and modern periods. Prerequisite: history major or minor or consent of instructor.
- 452-3 HISTORICAL RESEARCH AND THESIS WRITING. The rules of historical research studied and applied to a definite topic. For history majors and minors only.
- 454-3 BIOGRAPHY IN AMERICAN HISTORY. Outstanding leaders and their contributions to the history of the United States. Attention to historical writers who specialize in biography. Prerequisite: a course in United States history.
- 455-3 HISTORY OF INNER-ASIAN RELATIONS. History of tribes, migrations, wars, and power politics in Central Asia and outlying areas of China, from Han times to the latest developments among national minorities astride the Sino-Soviet frontier.
- 460-9 (3, 3, 3) SOCIAL AND INTELLECTUAL HISTORY OF THE MIDDLE AGES. (a) 500-1000, (b) 1000-1250, (c) 1250-1500. May be taken singly or in a,b,c sequence.
- 470-3 ARGENTINA, BRAZIL, AND CHILE. A narrative and comparative study of the independent era of the history of the three leading states of South America.
- 471-6 (3, 3) HISTORY OF MEXICO. (a) 19th century, (b) 20th century. May be taken in any sequence.
- 473-3 THE CARIBBEAN AREA IN THE TWENTIETH CENTURY. An inquiry into the changing role of the political, economic, strategic, and cultural nature of this Mediterranean of the New World.
- 500-3 to 9 History Seminar.
- 510-2 to 5 Readings in History.
- 515-3 Current U.S. History and Problems.
- 516-5 Studies in Contemporary Europe.
- 517-3 Constitutional History of the United States and Problems.
- 518-3 England in the Age of the "Glorious Revolution."
- 519-5 The Age of Jefferson.
- 553-3 New Viewpoints in American History.
- 598-3 (1, 1, 1) Teaching History in College.
- 599-1 to 9 Thesis.

HOME ECONOMICS

The College of Liberal Arts and Sciences grants the Bachelor of Arts degree with a major in home economics. A minimum of 42 hours in home economics is required. This is not a professional major. The curriculum is planned for the profession of homemaking rather than for any of the salary-earning professional careers in home economics. The curriculum is offered by the Department of Home and Family and is described in the School of Home Economics bulletin.

INTER-AMERICAN STUDIES

This course of studies is designed to meet the need for increasing concern with Latin America and the growing interest in the field. It is planned to provide students with a wide general background in the history, geography, economics, languages, and literature of Hispanic America. Special emphasis is placed upon achievement of sufficient knowledge of the Spanish language to make it an effective means of communication. This level of linguistic skill is essential to open the doors of cultural understanding and appreciation of Latin America to non-native speakers. Equal proficiency in Portuguese for those who wish to specialize in Brazilian studies will be sought.

The major in inter-American studies prepares the student to participate intelligently and effectively in business or government activities in Latin America or relating to Latin America or assists students to choose a field of specialization for research and teaching.

The following curriculum is interdepartmental and under the direction of the Latin American Institute.

BACHELOR OF ARTS DEGREE, COLLEGE OF LIBERAL ARTS AND SCIENCES

<i>General Studies Requirements</i> (See page 9.)	96
<i>Air Science Requirement</i> (See the General Information bulletin.)	3
<i>College of Liberal Arts and Sciences Requirements</i> (See page 10.)	9
The inter-American studies curriculum includes the major and minor.	
<i>Requirements for the Major in Inter-American Studies</i>	79
General Studies Area B 303, 392	(6)
Anthropology 305a, 306a	6
Economics 419, 429	8
Foreign Languages: Spanish 201-9, 220-6, 320-6, 333-9; Portuguese 100-5	35
Geography 467	7
Government 363, 371	6
History 352a,b, and 3 hours chosen from 352c, 471, 473	9
Philosophy 340; 477 or 478	8
<i>Electives</i>	5
<i>Total</i>	192

Students coming to Southern without any foreign language must take GSD 140-9 and Spanish 140-3 as prerequisites to the specified courses in

the language. If their special interests demand, they should expect also to take such additional courses as desired in psychology, sociology, economics, or business administration. These courses are described under the departmental entries in this bulletin and in the School of Business bulletin.

No undergraduate minor is offered.

MATHEMATICS

Professors Amos Black, John W. Hamblen, Carl E. Langenhop, Wilbur C. McDaniel, Abraham M. Mark, Charles N. Maxwell, John M. H. Olmsted (Chairman), Andrew Sobczyk.

Associate Professors Elbert Fulkerson (Emeritus, 1964), Leslie D. Gates, Jr., Dilla Hall (Emeritus, 1964), Robert W. Hunt, Morton Roy Kenner, Michael Skalsky, Thomas H. Starks, Joseph C. Wilson.

Assistant Professors Harold H. Lerch, Ernest E. Shult, Alice K. Wright (Emerita, 1958).

Instructors Zamir Bavel, Imogene C. Beckemeyer, John Samuel Brown, Joseph H. Crenshaw, George Elston, Allan Jones, Vernon Marlin, James L. Slechticky, Larry L. Wimp.

Lecturer Toccoa McClary.
Associate Professors Bernard Marks, Thomas Martinsek.

Courses in mathematics may be taken as a major by students in the College of Liberal Arts and Sciences and in the College of Education. Minors in mathematics are available to these students and to certain others. Students majoring in mathematics are required to plan schedules of mathematics courses numbered above 299 with a departmental adviser.

SUGGESTED CURRICULA IN MATHEMATICS

BACHELOR OF ARTS DEGREE, COLLEGE OF LIBERAL ARTS AND SCIENCES

General Studies Requirements (See page 9.)	87
Air Science Requirement (See the General Information bulletin.)	3
College of Liberal Arts and Sciences Requirements (See page 10.)	33
Requirements for the Major in Mathematics	48
GSD 114-9 or advanced standing	(9)
Foreign Language (French, German, or Russian)	(9)
Mathematics 150-10, 252-9 (A student may by-pass any of these in which he can demonstrate competence.)	19
Mathematics electives numbered above 299, excluding 311, 410-16 and 456-6 but including three of the following eight sequences: 305-6; 320-6; 335-6; 421-6; 452-6; 475-6; 480-7; 480-4, 483. At least one of the three sequences must be on the 400 level; either 320-6 or 421-6 must be included.	24

Mathematics grade must be at least C in courses numbered 150 or above.

Physics 211a (or 206a)	5	
<i>Electives</i> (Physics 211b,c recommended)		21
<i>Total</i>		<u>192</u>

BACHELOR OF SCIENCE IN EDUCATION DEGREE, COLLEGE OF EDUCATION

The curriculum leading to the Bachelor of Science in Education degree with a major in mathematics in the College of Education includes the following *Requirements for the Major*:

GSD 114-9 or advanced standing	(9)
Mathematics 150-10, 252-9 (or by-pass)	19
Mathematics electives numbered above 299, excluding 410-16 and 456-6 but including 311 and three of the following eight sequences: 305-6; 320-6; 335-6; 421-6; 452-6; 475-6; 480-7; 480-4, 483. At least one of the three sequences must be on the 400 level; either 320-6 or 421-6 must be included. The recommended sequences are 320-6; 335-6; 480-4, 483.	23
Physics 211a (or 206a)	5

Other requirements are listed under Secondary Education in the College of Education bulletin. Mathematics 311 may be substituted for Secondary Education 315.

MINOR

A minor in mathematics must include Mathematics 252a and at least 12 hours of courses numbered above 252a other than 410. At least a C is required in all mathematics courses numbered 150 and above. 311 does not count toward a B.A. degree minor.

COURSE DESCRIPTIONS

- 106-0 INTERMEDIATE ALGEBRA. Equivalent to the third semester of high school algebra.
- 150-10 (5, 5) ELEMENTARY CALCULUS AND ANALYTIC GEOMETRY. Elementary differential and integral calculus with analytic geometry and applications. Includes the definite integral and differentiation of transcendental functions. Must be taken in a,b sequence. Prerequisites: GSD 114b,c.
- 210-4 THE TEACHING OF ELEMENTARY MATHEMATICS. A professional treatment of the subject matter of arithmetic methods and a study of trends and current literature on the teaching of arithmetic. For elementary education majors only. Prerequisite: GSD 108b.
- 220-4 ELEMENTARY STATISTICS. A basic introduction to the simpler

problems of statistical inference. Descriptive statistics, probability distributions, estimation of parameters and tests of significance, regression and correlation. Does not count toward a major or minor in mathematics. Prerequisite: 106.

- 225-4 PROGRAMMING FOR DIGITAL COMPUTERS. An intensive course. Topics include computer organization and characteristics, machine language coding, flow charts, subroutines, symbolic coding, and compiler systems. Equipment of the University's Data Processing and Computing Center is used for applications. Prerequisite: GSD 108c, 114c, or consent of instructor.
- 252-9 (5, 4) INTERMEDIATE CALCULUS AND ANALYTIC GEOMETRY. Differentials, integration, polar coordinates, solid analytic geometry, partial differentiation, multiple integrals, and infinite series. Must be taken in a,b sequence. Prerequisite: 150b.
- 305-6 (3, 3) APPLIED MATHEMATICS FOR THE PHYSICAL SCIENCES.
(a) Ordinary differential equations, linear algebra, and applications.
(b) Additional topics in applied mathematics such as finite difference methods, Laplace transforms, and Fourier series. Must be taken in a,b sequence. Prerequisite: 252b.
- 311-3 THE TEACHING OF SECONDARY MATHEMATICS. A study of the nature and objectives of the secondary mathematics curriculum. Particular attention is given to the means of introducing new ideas into the high school program. For students preparing to be certified teachers of secondary mathematics. Does not count toward a mathematics major or minor in the College of Liberal Arts and Sciences. Prerequisite: 320a.
- 320-6 (3, 3) FUNDAMENTAL CONCEPTS OF ALGEBRA. Introduces abstract algebraic structures, including groups, rings, and fields. Attention is given to classical theory of numbers and polynomials. Must be taken in a,b sequence. Prerequisite: 150b.
- 335-6 (3, 3) CONCEPTS OF GEOMETRY. An elementary introduction to various geometric systems to acquaint the student with the interrelationship between geometries of current interest. Topics include axiom systems, absolute plane geometry, Euclidean geometry, and non-Euclidean geometry. Must be taken in a,b sequence. Prerequisite: 252a or consent of instructor.
- 395-2 to 12 READINGS IN MATHEMATICS. Supervised reading in selected subjects. Prerequisite: twelve hours of 300 or 400 level mathematics, "B" average in mathematics, and consent of chairman of department.
- 400-3 HISTORY OF MATHEMATICS. An introduction to the development of major mathematical concepts. Particular attention is given to the evolution of the abstract concept of space, to the evolution of abstract algebra, to the evolution of the function concept, and to the changes in the concept of rigor in the development of mathematics from 600 B.C. to the present time. Prerequisite: 320a or consent of instructor.
- 407-3 INTRODUCTION TO PARTIAL DIFFERENTIAL EQUATIONS. A continuation of 305. Topics in applied mathematics including linear partial differential equations, Bessel functions, and vector analysis. Prerequisite: 305b.
- 410-16 (4, 4, 4, 4) STATISTICAL ANALYSIS. For students in fields using statistical methods but who are not required to take calculus. Includes (a) elements of probability, estimation, and testing hypotheses; (b) the gen-

- eral linear model (multiple linear regression, analysis of variance, analysis of covariance) and non-parametric statistics; (c) design of experiments; (d) sample survey techniques. May not be used to satisfy requirements for a mathematics major or minor. Three lectures and two laboratory hours per week. Must be taken in either a,b,c,d or a,b,d,c sequence. Prerequisites: GSD 108c or 114b.
- 413-4 SOLID ANALYTIC GEOMETRY. An algebraic study of equations of the first and second degree in three variables, with applications to geometry. Systems of planes; equations of lines in symmetric and parametric form. Spheres, cylinders, surfaces of revolution. Matrix algebra; real orthogonal and symmetric matrices. Coordinate transformations; orthogonal similarity. Quadratic forms and quadric surfaces; invariants; principal axes and planes. Prerequisite: 252b or consent of department.
- 420-3 ORTHOGONAL FUNCTIONS. Principal emphasis on Fourier series and applications. Also includes discussion of other orthogonal sets, such as the Legendre's polynomials, and orthogonalization procedures, such as Gram-Schmidt. Prerequisite 252b.
- 421-6 (3, 3) LINEAR ALGEBRA. The theory of determinants and systems of linear equations; vector spaces, linear independence, bases, dimension; linear transformations, change of base, similarity; quadratic and Hermitian forms, orthogonal and unitary transformations; triangular and diagonal form; eigenvalues and eigenvectors; normal matrices; nilpotent and idempotent matrices, the spectral theorem. Must be taken in a,b sequence. Prerequisite: 252b.
- 425-3 THEORY OF NUMBERS. Topics in elementary number theory, including properties of integers and prime numbers, divisibility, Diophantine equations, and congruence of numbers. Prerequisite: 320a.
- 426-6 (3, 3) MATHEMATICAL LOGIC. (Same as Philosophy 426.) (a) Matrix and set theoretic development of the propositional calculus, many valued logics, modal logics. Completion and consistency proofs for the propositional calculus. (b) A formal development of the predicate calculus and related problems. Must be taken in a,b sequence. Prerequisite: 320a or consent of instructor.
- 430-4 PROJECTIVE GEOMETRY. Introduction to the fundamental concepts of projective geometry. Topics usually include the study of conics, polar systems of conics, homogeneous coordinates, cross-ratio, harmonic sets, duality, projectivities, and involutions. Prerequisite: 252a or consent of instructor.
- 433-3 THEORY OF POINT SETS. General properties of sets; topology of plane sets; closed sets and open sets in metric spaces, homeomorphisms and continuous mappings, connectedness. Prerequisite: 252b and six credits in courses numbered 300 or higher, or consent of instructor.
- 440-2 to 4 MODERN ALGEBRA FOR TEACHERS. An introduction to algebra as a logical system, including groups, rings, and fields. Offered as part of the special program for secondary school teachers. Four hours available to M.S. in Ed. degree candidates, N.S.F. participants, and others who have consent of the department. Prerequisite: consent of instructor.
- 442-2 to 4 SURVEY OF GEOMETRY. A survey of geometry, including projective geometry, topology, etc. Offered as part of the special program for secondary school teachers. Four hours available to M.S. in Ed. degree

- candidates, N.S.F. participants, and others who have consent of the department. Prerequisite: consent of instructor.
- 452-9 (3, 3, 3) **ADVANCED CALCULUS.** Fundamental concepts of analysis: limits, continuity, differentiation, and integration. Major topics include partial differentiation, vector analysis, Riemann-Stieltjes integrals, multiple integrals, infinite series, improper integrals, uniform convergence, Fourier series, and line and surface integrals. Must be taken in a,b,c sequence. Prerequisite: 252b.
- 456-6 (3, 3) **APPLIED MATHEMATICS FOR THE BEHAVIORAL SCIENCES.** Introduces students in the behavioral sciences to general mathematical procedures as an aid to analyzing the structures of their study and to particular techniques that are in current use. Includes: sets and proportional logic, partitioning and combinatorial analysis, probability theory, linear algebra, linear programming and game theory, difference equations. The mathematical content is at an introductory level; applications from the behavioral sciences are used throughout. Does not count toward a major in mathematics. Must be taken in a,b sequence. Prerequisite: GSD 108c or 114b.
- 460-4 **MODERN GEOMETRY.** Advanced topics in Euclidean geometry by the synthetic method. Topics including the nine-point circle, Simson line, theorems of Ceva and Menelaus, coaxal circles, harmonic section, poles and polars, similitude, and inversion. Prerequisite: 20 hours of college mathematics.
- 475-9 (3, 3, 3) **NUMERICAL ANALYSIS.** Introduction to approximation methods including finite differences and interpolation; numerical differentiation and quadrature; least squares approximation; numerical solution of linear and non-linear systems; numerical integration of systems of ordinary and partial differential equations. Emphasis upon error analysis throughout. Must be taken in a,b,c sequence. Prerequisite: 305a or 252b and consent of instructor.
- 480-10 (4, 3, 3) **PROBABILITY.** Introduction to probability theory. Includes the algebra of probabilities, discrete and continuous distributions, limit theorems, generating functions, and some elements of stochastic processes. Must be taken in a,b,c sequence. Prerequisite: 252b.
- 483-4 **STATISTICAL INFERENCE.** A mathematical introduction to statistical methods. Topics include sampling distributions, estimation, tests of hypotheses, and regression analysis. Prerequisite: 480a.
- 484-4 **DESIGN OF EXPERIMENTS.** A study of the mathematical and practical considerations involved in the statistical design and analysis of experiments. Consideration given to common experimental designs and such topics as missing plots, experimental constraints, efficiency of method, and separation of degrees of freedom. Prerequisite: 483.
- 501-9 (3, 3, 3) **Real Variables.**
- 510-4 **Foundations of Mathematics.**
- 520-8 (4, 4) **Modern Algebra.**
- 530-3 to 6 **Point Set Topology.**
- 536-3 **Differential Geometry.**
- 540-4 **Group and Linear Transformation.**
- 544-2 to 4 **Fundamental Concepts of Calculus.**
- 545-4 **Intermediate Analysis for High School Teachers.**

- 546-4 Convex Figures.
- 550a-1 to 10 Seminar in Algebra.
- 550b-1 to 10 Seminar in Geometry.
- 550c-1 to 10 Seminar in Analysis.
- 550d-1 to 10 Seminar in Probability and Statistics.
- 550e-1 to 10 Seminar in Mathematics Education.
- 555-6 (3, 3) Complex Variables.
- 560-3 Calculus of Variations.
- 580-9 (3, 3, 3) Mathematical Methods of Statistics.
- 592-3 Research in Mathematics Education.
- 595a-1 to 10 Special Project in Algebra.
- 595b-1 to 10 Special Project in Geometry.
- 595c-1 to 10 Special Project in Analysis.
- 595d-1 to 10 Special Project in Probability and Statistics.
- 595e-1 to 10 Special Project in Mathematics Education.
- 599-2 to 9 Thesis.

MICROBIOLOGY

Professors Carl C. Lindegren, Maurice Ogur (Chairman), I. L. Shechmeister.
Assistant Professor Dan O. McClary.

SUGGESTED CURRICULUM IN MICROBIOLOGY

BACHELOR OF ARTS DEGREE, COLLEGE OF LIBERAL ARTS AND SCIENCES

<i>General Studies Requirements</i> (See page 9.)	87
<i>Air Science Requirement</i> (See the General Information bulletin.)	3
<i>College of Liberal Arts and Sciences Requirements</i> (See page 10.)	9
<i>Requirements for the Major in Microbiology</i> (with a minor in chemistry)	90
GSA 201, 202, 203	(9)
GSD 114-9	(9)
Chemistry 111-15, 235-5, 305-8 (This is a minor.)	28
Microbiology 301, 302, 403, 425, 426, 441, 451	32
Microbiology electives to complete 47 hours	15
Physics 206-15	15
<i>Electives</i>	3
<i>Total</i>	192

MINOR

The minor in microbiology consists of 24 hours to include 301 and 302; the rest of the minor should be determined by the individual student in consultation with a departmental adviser.

COURSE DESCRIPTIONS

- 301-5 **PRINCIPLES OF MICROBIOLOGY.** A survey of morphology, structure, metabolism, population dynamics, and heredity of the microbial agents, with particular emphasis on pure culture methods of study of the bacteria, viruses, and related organisms. 4 hours lecture, 5 hours laboratory. Prerequisite: one year of college chemistry and GSA 201 or equivalent.
- 302-5 **GENERAL MICROBIOLOGY.** Interrelationships of microorganisms and their positions and influence in the biological world; relationships to soil fertility, host-parasite relationships, mechanisms of infection and resistance principles of chemotherapy, and their exploitation by man in medicine and industry. 3 hours lecture and 5 hours laboratory. Prerequisite: 301.
- 350-1 to 3 **READINGS IN MICROBIOLOGY.**
- 401-1 **SEMINAR.** (For undergraduates only.) Prerequisite: senior standing and consent of instructor. This course may be taken for credit once only.
- 403-5 **MEDICAL BACTERIOLOGY.** A general survey of the mechanisms of infection, epidemiology, and immunity and the specific application of these principles to the symptomatology, diagnosis, treatment, and control of the more common bacterial infections of man. 3 hours lecture and 4 hours laboratory. Prerequisite: 301 and 302, or equivalent.
- 422-5 **MICROBIOLOGY OF FOODS.** The relationships of microorganisms to the preparation and preservation of foods with consideration of the laws governing sanitation, chemical preservatives, and fair dealing of the food producer. 3 hours lecture, 4 hours laboratory. Prerequisite: 301.
- 423-5 **INDUSTRIAL FERMENTATION.** The application of the chemical activities of microorganisms to the industrial production of beverages, foods, antibiotics, and various commercial chemicals. 3 hours lecture, 4 hours laboratory. Prerequisites: 301 and organic chemistry.
- 424A-2 to 3 **SOIL MICROBIOLOGY.** (Same as Plant Industries 424a.) Numbers, characteristics, and biochemical activities of soil microorganisms, with particular consideration of their role in the transformations of organic matter, nitrogen, and minerals as related to soil fertility and management. Lectures. Prerequisite: GSA 201c.
- 425-3 **BIOCHEMISTRY AND PHYSIOLOGY OF MICROORGANISMS.** The chemical basis of physiological functions in microbial cells with emphasis on the pathways of metabolism common to all living things. 3 hours lecture. Prerequisites: 301 and organic chemistry.
- 426-2 **BIOCHEMISTRY AND PHYSIOLOGY OF MICROORGANISMS.** 4 hours laboratory. Prerequisite or corequisite: 425.
- 441-6 **VIROLOGY.** Properties, cultivation, and titration of viruses and rickettsiae; cellular infection, multiplication, and liberation of virus; immunological reactions and serological identification; haemmagglutination and interference phenomena. 3 hours lecture, 6 hours laboratory. Prerequisite: 403.
- 451-6 **IMMUNOLOGY.** Natural and acquired immunity; antigens, antibodies, and antigen-antibody reactions; hypersensitivity; practical use of immunity and hypersensitivity. 3 hours lecture, 6 hours laboratory. Prerequisite: 403.

- 500-1 Seminar.
- 501-2 Genetics of Microorganisms.
- 503-2 Cytology of Microorganisms.
- 504-5 Methods of Microbiological Research.
- 506-2 Bibliographic Methods in Microbiology.
- 507-8 BSCS—High School Biology.
- 511-1 to 15 Research.
- 525-3 Biochemistry and Physiology of Microorganisms.
- 526-2 Biochemistry and Physiology of Microorganisms.
- 528-1 to 10 Readings in Microbiology.
- 550-4 Microbiology for High School Teachers.
- 551-2 Intermediate Microbiology for High School Teachers.
- 552-1 Seminar in Biological Sciences.
- 599-3 to 9 Thesis.
- 600-3 to 48 Dissertation.

MUSIC

The music major in the College of Liberal Arts and Sciences is designed for students who wish to specialize in music as part of their general cultural education. It is also designed to provide a background training for those who may plan to pursue advanced studies in such fields as music criticism and aesthetics.

Required courses in music for this major are 105-12, 205-9, GSC 357-9, applied music courses totaling 12 hours, and electives in music to complete a total of 60 hours for the major.

Students who desire to minor in music must meet a minimum requirement of 42 hours in music, the courses to be worked out in consultation with the department chairman.

PHILOSOPHY

Research Professor Lewis E. Hahn.

Professors George E. Axtelle, Baker Brownell (Emeritus, 1954), Arthur J. Dibden, William Henry Harris, Wayne A. R. Leys, William J. McKeefery, Willis Moore (Chairman), George K. Plochmann, Charles D. Tenney.

Associate Professors James A. Diefenbeck, S. Morris Eames.

Assistant Professor George G. McClure, Don Ihde.

Visiting Professors Luis A. Baralt, Henry N. Wieman.

Courses in philosophy are available at each level of the General Studies curriculum for use in partial satisfaction of the requirements in Area C. The prospective major in philosophy is advised to elect at least one such course at each of the first two levels.

A major in philosophy consists of 45 hours, 3 of which may be selected from philosophy courses in the first two levels of the General Studies curriculum.

SUGGESTED CURRICULUM IN PHILOSOPHY

BACHELOR OF ARTS DEGREE, COLLEGE OF LIBERAL ARTS AND SCIENCES

<i>General Studies Requirements</i> (See page 9.)	96
<i>Air Science Requirement</i> (See the General Information bulletin.)	3
<i>College of Liberal Arts and Sciences Requirements</i> (See page 10.)	33
<i>Requirements for the major in philosophy</i>	39
General Studies Area C 381, 382, 383	(6) + 3
Philosophy 300, 320, 481a, GSC 386, 387 (Any two)	6
Philosophy electives	30
<i>Electives</i>	21
<i>Total</i>	192

MINOR

A minor in philosophy requires 24 hours, 6 of which may be selected from philosophy courses offered at the first two levels of the General Studies curriculum, and 12 of which should be selected from the courses listed above for the major.

COURSE DESCRIPTIONS

- 200-4 TYPES OF PHILOSOPHY. Study of realism, idealism, and materialism.
- 300-4 ELEMENTARY METAPHYSICS. Presentation of answers to the most general problems of existence. An attempt to unify all scientific approaches to reality through the laying down of common principles.
- 301-4 PHILOSOPHY OF RELIGION. An analysis of problems in the psychology, metaphysics, and social effects of religion. Among topics discussed are the nature of mystical experience, the existence of God, and problems of suffering, prayer, and immortality.
- 305-4 PHILOSOPHY OF SCIENCE. A nontechnical discussion of philosophic problems as they emerge from the various sciences, with readings from works addressed to the lay public.
- GSC 310-3 RELIGIOUS FOUNDATIONS OF WESTERN CIVILIZATION.
- GSC 311-3 PHILOSOPHIES AND RELIGIONS OF INDIA.
- GSC 312-3 PHILOSOPHIES AND RELIGIONS OF THE FAR EAST.
- 320-4 GENERAL LOGIC. Terms, propositions, and reasoning. Logic as an instrument for the solution of problems in natural and social sciences.
- 340-4 ELEMENTARY ETHICS AND POLITICS. Problems of right and wrong for the individual and society.
- 355-4 PHILOSOPHY OF EDUCATION. Survey of theories of education and

- their relationships to educational policies and practices, as elucidated by the great teachers. Satisfies the education requirement, Education 355.
- 360-4 PHILOSOPHY OF ART. The significance of art as a human activity, its nature and standards as seen in the problems of criticism, and the relation of art to other forms of knowledge.
- GSC 381-3 GREEK PHILOSOPHY.
- GSC 382-3 GRAECO-ROMAN AND MEDIEVAL PHILOSOPHIES.
- GSC 383-3 EARLY MODERN PHILOSOPHY.
- GSC 386-3 EARLY AMERICAN PHILOSOPHY.
- GSC 387-3 RECENT AMERICAN PHILOSOPHY.
- 406-4 PHILOSOPHY OF BIOLOGY. Leading concepts of biological sciences: species, evolution, life, organism and part, etc. Abstract ideas of biology are related, wherever possible, to specific experiments recorded in scientific literature. Prerequisites: 300 or 320, and three laboratory or field courses in the biological sciences or consent of instructor.
- 415-3 LOGIC OF THE SOCIAL SCIENCES. (Same as Sociology 415.) Logical and epistemological examination of social studies as types of knowledge. Basic problems in philosophy of science with major emphasis upon social science: relationship of theory to fact, nature of induction, nature of casual law, testability, influence of value judgments, etc. Intended for students with considerable maturity in a social science or in philosophy.
- 420-4 ADVANCED LOGIC. A careful study of symbolic and discursive systems of logic: Aristotle, Spinoza, Boole, Whitehead, and Johnson. Prerequisites: 320 and consent of instructor.
- 426-6 (3, 3) MATHEMATICAL LOGIC. (See Mathematics 426.)
- 428-3 LOGIC OF THE EXACT SCIENCES. Critical study of the technical and philosophic problems associated with formal logic and its uses as a tool for model construction, for formalizations, reconstructions, and as an image of rational thought. Prerequisites: 426 or consent of instructor.
- 441-4 PHILOSOPHY OF POLITICS. Some of the central problems of modern political life, such as sovereignty, world government, authority and consent, the relations of economics and social studies to political theory. Prerequisite: GSC 102 or 340 or consent of instructor.
- 443-4 PHILOSOPHY OF HISTORY. Classical and contemporary reflections on the nature of history and historical knowledge as the basis for dealing with the humanities. Prerequisites: consent of instructor.
- 460-4 ADVANCED PHILOSOPHY OF ART. The definition of art, its relations to science, culture, and morals; the various types of art defined. Familiarity with at least one of the fine arts is assumed. Prerequisites: GSC 207 or 360, and six courses in music, painting, sculpture, literature, or drama.
- 477-4 LATIN AMERICAN PHILOSOPHY. A survey of philosophic thought in Latin America from colonial times, through nineteenth century positivism and the reactions against it, up to present trends. Reading of original texts in English translations. Discussions and reports. Prerequisite: consent of instructor.
- 478-4 SEMINAR IN LATIN AMERICAN THOUGHT. Investigation of research topics connected with Latin American thought during the nineteenth and twentieth centuries in the fields of government, social sciences, education, literature, and philosophy. Individual studies and reports. Prerequisite: consent of instructor.

- 481-6 (3, 3) 19TH CENTURY EUROPEAN PHILOSOPHY. (a) Kant, Schopenhauer, and Hegel. (b) Nietzsche, Bergson, the Utilitarians, and latter day idealists. May be taken singly and in any sequence.
- 482-3 RECENT EUROPEAN PHILOSOPHY. Phenomenology, Positivism, Linguistic Analysis, and Existentialism.
- 490-2 to 12 SPECIAL PROBLEMS. Hours and credits to be arranged. Courses for qualified seniors and graduates who need to pursue certain topics further than regularly titled courses permit. Special topics announced from time to time. Students are invited to suggest topics for individual study and papers or for group study. Consent of instructor in all cases required.
- 500-2 to 4 Seminar in Metaphysics.
- 501-2 to 4 Seminar in the Philosophy of Religion.
- 515-3 Theory of Nature.
- 530-2 to 4 Seminar in Theory of Knowledge.
- 540-3 Philosophy of Journalism.
- 570-3 Seminar in American Idealism.
- 581-2 to 4 Seminar in Plato.
- 582-2 to 4 Seminar in Aristotle.
- 585-3 British Empiricism.
- 586-2 to 4 Seminar in Spinoza.
- 587-3 Seminar in Hegel.
- 588-2 to 4 Seminar in Kant.
- 589-2 to 12 General Graduate Seminar.
- 590-2 to 12 General Graduate Seminar.
- 591-1 to 5 Readings in Philosophy.
- 599-2 to 9 Thesis.
- 600-3 to 48 Dissertation.

PHYSICS AND ASTRONOMY

Professors Martin J. Arvin (Acting Chairman), Charles J. Brasefield (Emeritus, 1964), Richard E. Watson, Otis B. Young.

Associate Professor William E. Nickell.

Assistant Professors Jason J. Collins, Walter Carl Henneberger, Richard L. Linster, Charlotte Zimmerschied.

Instructors Robert C. Etherton, James L. Harbison, Robert S. Revak, Richard R. Todd.

Courses in physics may be taken as a major by students in the College of Liberal Arts and Sciences and in the College of Education.

SUGGESTED CURRICULA IN PHYSICS

BACHELOR OF ARTS DEGREE, COLLEGE OF LIBERAL ARTS AND SCIENCES

General Studies Requirements (See page 9.)	87
Air Science Requirement (See the General Information bulletin.)	3
College of Liberal Arts and Sciences Requirements (See page 10.)	33

<i>Requirements for the Major in Physics</i>	89
General Studies Area D 114-9	(9)
Chemistry 111-10	10
Mathematics 150-10, 252-9, 305-6	25
Physics 211-15 (or 206-15 with consent of the department); 301-8, 305-10, 413-8	41
Physics 304, 310, 405, 414, 450 (any three)	13
<i>Total</i>	212
<i>Total</i> (if the minor is mathematics)	192

BACHELOR OF SCIENCE IN EDUCATION DEGREE, COLLEGE OF EDUCATION

The curriculum leading to the Bachelor of Science in Education degree with a major in physics in the College of Education differs from the B.A. degree curriculum, above, in two respects: No foreign language is required, and only two of 304, 310, 405, 414, 450 are required.

MINOR

Suggested courses for a minor in physics for a student who is taking calculus: 211 and two of the following: 305a, 310, 413a.

Suggested courses for a minor in physics for a student who does not plan to take calculus: 206, 310, 312.

COURSE DESCRIPTIONS

ASTRONOMY COURSES

201-4, 202-4 INTRODUCTION TO ASTRONOMY. These two terms together constitute a single complete course. Four recitations a week, together with frequent evening observations with and without telescope.

PHYSICS COURSES

206-15 (5, 5, 5) COLLEGE PHYSICS. Designed to meet premedical requirements and the needs of all students majoring in one of the sciences, except physics. Laboratory. Must be taken in a,b,c or a,c,b sequence. Prerequisite: GSD 114c.

211-15 (5, 5, 5) UNIVERSITY PHYSICS. Primarily for physics majors and pre-engineers. Laboratory. Must be taken in a,b,c or a,c,b sequence. Prerequisite: Mathematics 150b (or concurrent enrollment).

301-8 (4, 4) MECHANICS. Intermediate theoretical mechanics, using vector analysis: kinematics, particle dynamics, rigid body mechanics, oscillations, wave motion, and advanced principles. Prerequisites: 206a or 211a, Mathematics 305a, or concurrent enrollment, or consent of instructor.

304-3 THERMODYNAMICS. Survey of laws of classical thermodynamics. Their constituents in application to some simple thermodynamic systems;

phase equilibrium and theory of phase transitions. Prerequisites: 206 or 211, Mathematics 252b.

- 305-10 (5, 5) INTRODUCTION TO ELECTRIC THEORY. Vector treatment of the theory, with laboratory: electrostatics in vacuo and in matter, steady currents, magnetism, alternating currents, complex number analysis of a-c circuits, electromagnetic radiation. Prerequisites: 206 or 211; Mathematics 305a, or concurrent enrollment, or consent of instructor.
- 310-5 LIGHT. A study of light propagation and optical instruments; interference, diffraction and polarization of light. Laboratory. Prerequisite: 206b or 211b.
- 312-5 RADIO. A study of radio receivers and transmitters. Laboratory. Prerequisite: 206 or 211.
- 404-3 INTRODUCTION TO STATISTICAL MECHANICS. A brief treatment of the kinetic theory of gases; introduction of phase spaces and ensemble theory. Shows the connection between mechanical and thermodynamic concepts and obtains a statistical interpretation of the thermodynamic processes. Prerequisites: 301; 304 or consent of instructor.
- 405-5 ELECTRONICS. The physics of vacuum tubes and semiconductor devices. Elementary theory and application of vacuum tubes as circuit elements in power supplies, oscillators, amplifiers, and shaping circuits. Laboratory. Prerequisites: 305; Mathematics 305b or consent of instructor.
- 410-5 PHYSICAL OPTICS. A theoretical and experimental study of light as electromagnetic energy; its production, detection, and measurement. Laboratory. Prerequisites: 305; Mathematics 305b or consent of instructor.
- 413-8 (4, 4) ATOMIC PHYSICS. A general survey of modern physics including relativity theory, quantum theory, atomic structure and spectra, and wave mechanics. Prerequisites: 301, 305; Mathematics 305b or consent of instructor.
- 414-5 NUCLEAR PHYSICS. Basic properties of nuclei, systematics of nuclear stability, radioactive decay; alpha, beta, and gamma ray spectroscopy, nuclear reactions, models of the nucleus, neutron physics and elementary particles. Prerequisite: 413.
- 420-2 to 5 SPECIAL PROJECTS. Each student is assigned a definite investigative topic. Adapted to advanced undergraduate students. Prerequisites: 301, 305.
- 425-5 ELECTRICAL PHENOMENA IN GASES. Excitation and ionization of gas atoms; diffusion of ions; space charge; glow and arc discharges. Prerequisite: 305.
- 450-5 INTRODUCTION TO SOLID STATE PHYSICS. A study of the fundamentals of Solid State Physics including classification of solids, interatomic and intermolecular forces, lattice energies, specific heats, lattice dynamics, free electron theory of metals, lattice defects, color centers, luminescence, magnetic materials, radiation damage, transport in ionic crystals, Fermi-Dirac statistics, Fermi distribution, and semi-conductors. Prerequisites: 305, 413; 304 or consent of instructor.
- 501-15 (5, 5, 5) Methods of Theoretical Physics.
- 511-12 (4, 4, 4) Mathematical Methods of Physics.
- 520-2 to 5 Special Projects.
- 531-9 (3, 3, 3) Quantum Mechanics.
- 590-1 to 9 Thesis.

PHYSIOLOGY

Professors Jay A. Bender, Harold M. Kaplan (Chairman).
Associate Professors Florence M. Foote, George H. Gass, Joseph P. Miranti.
Assistant Professor Tommy T. Dunagan.
Adjunct Professor Eli L. Borkon.

Research Associate Joginder Nath

SUGGESTED CURRICULUM IN PHYSIOLOGY

BACHELOR OF ARTS DEGREE, COLLEGE OF LIBERAL ARTS AND SCIENCES

<i>General Studies Requirements</i> (See page 9.)	96
<i>Air Science Requirement</i> (See the General Information bulletin.)	3
<i>College of Liberal Arts and Sciences Requirements</i> (See page 10.)	33
<i>Requirements for the Major in Physiology</i>	42
Physiology electives selected in consultation with the chairman of the department to total at least 42 hours.	
<i>Related Requirements for the Major</i>	0-30
A background of basic courses in chemistry, mathematics, and physics is required. Courses in botany and zoology are rec- ommended.	
<i>Electives</i>	0-18
<i>Total</i>	192

MINOR

A minor in physiology requires a minimum of 24 hours.

COURSE DESCRIPTIONS

- 215-3 INTRODUCTION TO PHARMACOLOGY. Use and action of drugs on the human body. Primarily for nurses. Three hours lecture per week.
- 300-4 HUMAN ANATOMY. Lectures, demonstrations, and periodic observation of the prosected body. Lectures confined to bones, joints, muscles, and nerves. Primarily for majors in physical education. Four hours lecture per week. One section, 300N, is reserved chiefly for nursing students. All bodily systems are reviewed. A three-hour laboratory is substituted for one of the lectures.
- GSA 301-4 PRINCIPLES OF PHYSIOLOGY.
- GSA 302-3 PSYCHOBIOLOGICAL FOUNDATIONS OF BEHAVIOR.
- 315-15 (5, 5, 5) ADVANCED COLLEGE PHYSIOLOGY. Lectures emphasize

mammalian and human physiology whereas the laboratory involves function throughout the vertebrate classes. (a) Blood, circulation, and respiration; (b) digestion, excretion, and endocrines; (c) muscles, nervous system, and sense organs. 3 hours lecture and 4 hours laboratory per week.

410-15 (5, 5, 5) ADVANCED ANATOMY. Dissection of the human body. Primarily for majors in physiology and other biological sciences. Not a premedical course. 2 hours lecture, 6 hours laboratory.

414-4 ANATOMY AND PHYSIOLOGY OF SPEECH. (Same as Speech Correction 414.) The anatomy and physiology of the vocal apparatus. Primarily for majors in speech correction. 3 hours lecture, 2 hours laboratory.

415-8 (4, 4) EXPERIMENTAL ANIMAL SURGERY. Preparation of animals for surgery. Anesthesia, instruments, care of animal quarters, selected exercises. 2 hours lecture, 4 hours laboratory. Part b may be elected independently of a.

417-6 (3, 3) PRINCIPLES OF PHARMACOLOGY. Action of drugs and other chemical substances upon the living organism. Physiological and biochemical events resulting from the action of drugs. Pharmacodynamics, chemotherapy, toxicology, and therapeutics. 2 hours lecture and 2 hours laboratory. Part b may be elected independently of a. Prerequisite: basic courses in chemistry and biological sciences.

430-12 (4, 4, 4) CELLULAR PHYSIOLOGY. The nature and mechanism of the living cell. Chemical and physical aspects of vital activity. Recommended for students interested in biochemistry and biophysics. 3 hours lecture and 2 hours laboratory.

433-4 COMPARATIVE PHYSIOLOGY. Fundamental physiological processes and the manner in which they vary in various groups of animals. Recommended for majors in physiology and for students in other biological sciences. 3 hours lecture, 2 hours laboratory.

440-3 ELECTRON MICROSCOPY. Basic experience with the operation of the electron microscope. Specimen preparation. Prerequisites: advanced background in any natural or physical science. 2 hours lecture, 2 hours laboratory.

450-4 to 16 SPECIAL PROBLEMS IN PHYSIOLOGY. Selected problems in various aspects of physiology. 8 hours laboratory. Open only by permission.

455-2 PHYSIOLOGICAL PROBLEMS IN REHABILITATION. Designed for the Rehabilitation Counseling Program. Problems of the handicapped. 2 hours lecture.

460-12 (4, 4, 4) MAMMALIAN PHYSIOLOGY. For graduate students who need a knowledge of human or mammalian function. Same as 315.

500-1 to 9 Advanced Seminar.

519-3 Experimental Pharmacology.

520-9 (3, 3, 3) Physiological Technics.

521-1 to 6 Readings in Current Physiological Literature.

530-8 (4, 4) Advanced Cellular Physiology.

540-8 (4, 4) Advanced Comparative Physiology.

550-3 Radiation Biology.

599-3 to 9 Thesis.

600-4 to 36 Doctoral Dissertation.

PSYCHOLOGY

Research Professor Noble H. Kelley.

Professors David Ehrenfreund (Chairman), Jack W. Graham, Alfred Lit, Guy A. Renzaglia, William Carl Westberg.

Associate Professors Sheldon Alexander, Neil Alan Carrier, Loren Chapman, William Gerler, Peter M. Lewinsohn, John George Martire, Donald J. Shoemaker.

Assistant Professors Philip F. Caracena, Peter Wing Hemingway, Edward Lichtenstein, James McHose, James Curtis Mitchell, Gordon Francis Pitz, Janet Eileen Rafferty, Thomas Ramon Schill, William Wagman.

Adjunct Professor Robert Carl Steck.

SUGGESTED CURRICULUM IN PSYCHOLOGY

BACHELOR OF ARTS DEGREE, COLLEGE OF LIBERAL ARTS AND SCIENCES

<i>General Studies Requirements</i> (See page 9.)	96
<i>Air Science Requirement</i> (See the General Information bulletin.)	3
<i>College of Liberal Arts and Sciences Requirements</i> (See page 10.)	33
<i>Requirements for the Major in Psychology</i>	40
General Studies Area A 301	(4)
General Studies Area B 201c	(3)
Psychology 211-8	8
Psychology electives including either Group One or Group Two and excluding 323, 420, 432, and 465	32
<i>Group One, For Students Planning Graduate Study:</i> 311; any one of 312, 313, 314; any two of 301, 303, 304, 305, 307, 320, 322; any two of 404, 406, 407, 408, 409, 421, 431, 440, 451, 461, 471; and any two additional courses previously listed.	
<i>Group Two, For Students Planning No Graduate Study:</i> any eight of the courses listed in Group One, including at least three 400-level courses	
<i>Electives</i>	20
<i>Total</i>	192

MINOR

Courses 323, 420, 432, and 465 may not be used to satisfy the major requirements, but are acceptable for the minor, which requires 24 hours.

For further information and advisement, consult the Department of Psychology.

COURSE DESCRIPTIONS

- 211-8 (4, 4) **PRINCIPLES AND METHODS OF PSYCHOLOGY.** An introduction to the experimental methods utilized in the study of behavior. (a) The application of methods to the study of sensation, perception, and learning, (b) the analysis and interpretation of psychological data. Lecture and laboratory. Must be taken in a,b sequence. Prerequisite: GSB 201c.
- 301-4 **CHILD PSYCHOLOGY.** A study of the biological and psychological development of the child from birth through puberty, and of relevant research methods and results. Prerequisite: GSB 201c.
- 303-4 **ADOLESCENT PSYCHOLOGY.** Examines the physical and psychological development of the adolescent, and the relevance of childhood development to adolescent problems. Prerequisite: GSB 201c.
- 304-4 **PSYCHOLOGY OF MATURITY AND OLD AGE.** A consideration of psychological factors in later maturity and old age and their concomitant problems, both individual and societal. Prerequisite: GSB 201c.
- 305-4 **PSYCHOLOGY OF PERSONALITY.** A study of the inferred patterns underlying an individual's unique reactions to his environment. Investigates the motivations, development, and methods of changing these patterns, and how personality processes are studied. Prerequisite: GSB 201c.
- 307-4 **SOCIAL PSYCHOLOGY.** Introduction to the study of the individual's interaction with his social environment. Considers problems of social learning, communication, social influence processes and group behavior. Prerequisite: GSB 201c.
- 311-4 **EXPERIMENTAL PSYCHOLOGY: LEARNING.** Investigates the processes governing behavioral change. Experimental studies of conditioning, memory, and forgetting will be emphasized. Laboratory work will include the design and conduct of experiments with humans and animals. Lecture and laboratory. Prerequisite: 211b.
- 312-4 **EXPERIMENTAL PSYCHOLOGY: PERCEPTION.** Investigates the variables influencing an organism's stimulation by his environment. The structure and operation of the sense organs as well as complex perceptual phenomena are examined in lectures and laboratory. Prerequisite: 211b.
- 313-4 **EXPERIMENTAL PSYCHOLOGY: MOTIVATION.** An examination of both biological and social variables influencing the activation, direction, and maintenance of behavior. Laboratory work will examine the effects of motivation upon behavior. Lecture and laboratory. Prerequisite: 211b.
- 314-4 **EXPERIMENTAL PSYCHOLOGY: COMPARATIVE AND PHYSIOLOGICAL.** An examination of the physiological and phylogenetic variables affecting behavior. The laboratory will involve work with different types of organisms, emphasizing physiological concomitants of behavior. Lecture and laboratory. Prerequisite: 211b.
- 320-4 **INDUSTRIAL PSYCHOLOGY.** A study of the use of psychological methods in the analysis of human factor problems in business and industry. Prerequisite: GSB 201c.
- 322-4 **PERSONNEL PSYCHOLOGY.** A study of the use of psychological methods in the selection, placement, and evaluation of personnel in business and industry. Prerequisite: GSB 201c.

- 323-4 PSYCHOLOGY OF EMPLOYEE RELATIONS. Job satisfaction and morale, psychological aspects of labor relations, interviewing methods, and human relations training. Lecture and laboratory. Prerequisite: GSB 201c.
- 399a-3 to 9, 399b-3 to 12 RESEARCH AND INVESTIGATION. Honors. Intensive study in selected areas for students qualified for honors work in psychology. A research paper or equivalent will be required. Prerequisite: Consent of chairman. (a) For juniors, (b) for seniors.
- 404-4 THEORIES OF PERCEPTION. An examination of the different theories concerned with an organism's sensory contact with his environment. Physiological, social, and organizational theories of perception will be considered. Prerequisite: 211b or consent of instructor.
- 406-4 LEARNING PROCESSES. Processes by which individual behavior is changed, using procedures developed in the learning laboratory. Introduction to major concepts and data of learning. Prerequisite: consent of instructor.
- 407-4 THEORIES OF LEARNING. A consideration of the major contemporary learning theories and their relation to experimental data. Prerequisite: 211b or consent of instructor.
- 408-4 THEORIES OF MOTIVATION. An examination of instinct theories, biological drives, emotions, social motives, and psychodynamic theories as they contribute to a comprehensive psychology of motivation. Prerequisite: 211b or consent of instructor.
- 409-4 HISTORY AND SYSTEMS. Study of the important antecedents of contemporary scientific psychology. Considers issues, conceptual developments, and research advances, and presents the major schools and systems. Prerequisite: signed consent of departmental adviser.
- 420-4 SCIENTIFIC METHODOLOGY IN PSYCHOLOGY. Scientific methodology as an approach to investigation and classification of problems involved in understanding the psychological nature of man. Prerequisite: consent of instructor.
- 421-4 PSYCHOLOGICAL TESTS AND MEASUREMENTS. Principles of psychological measurement, including errors of measurement, techniques for estimating reliability and validity, techniques of test construction, and problems in assessment and prediction. The laboratory will include the use of selected instruments. Lecture and laboratory. Prerequisite: 8 hours of psychology.
- 424-4 PSYCHOPHYSICAL METHODS. Survey of the major psychophysical methods and their applications. Lecture and laboratory. Prerequisite: consent of instructor.
- 431-4 PSYCHOPATHOLOGY. Classification, description, etiology and treatment of the disorders of personality organization and behavioral integration. Observations in a state mental hospital setting. Prerequisite: 305 or consent of instructor.
- 432-4 MENTAL HYGIENE. An integration of psychological knowledge and principles concerning factors and conditions affecting the individual which tends to facilitate or to deter mental health. Prerequisite: 305 or consent of instructor.
- 433-2 to 6 PERSONALITY AND MENTAL HEALTH. Seminar on the basic factors in psychological development and their implications for mental health and psychopathology. Prerequisite: consent of instructor.

- 438-4 PSYCHOLOGICAL CONSIDERATIONS IN TREATMENT. For advanced undergraduates and graduate students entering allied professions in which they will be directly concerned with corrective or remedial service. Basic psychological principles and considerations relevant to planning and conducting such treatment; potentialities and limitations of individual and group treatment; environmental manipulation. Prerequisite: recommendation of student's major department.
- 440-4 THEORIES OF PERSONALITY. A review and critical evaluation of major personality theories and their supporting evidence. Prerequisite: 305 or consent of instructor.
- 451-4 ADVANCED CHILD PSYCHOLOGY. An examination of the concepts, methods, and problems of human development with consideration of both its psychobiological and psychosocial aspects. Prerequisite: 301 or 303 or consent of instructor.
- 461-4 ADVANCED SOCIAL PSYCHOLOGY. Examines current areas of interest in the study of social behavior: language behavior, communication, social influence, attitude change, interpersonal perception, etc. Emphasis is on the individual in the social context. Prerequisite: 307 or consent of instructor.
- 465-4 GROUP DYNAMICS AND INDIVIDUAL BEHAVIOR. Examination of research and theory in the area of small group interaction. Examines such topics as group structure and function, group problem-solving, leadership, etc. Prerequisite: 307 or consent of instructor.
- 471-4 WORK METHODS AND MEASUREMENT. A study of the analysis and evaluation of jobs and the measurement of work performance by the use of standard time tables. Prerequisite: 320 or consent of instructor.
- 483-3 CURRENT PROBLEMS IN CORRECTIONS. (See Sociology 483.)
- 490-1 to 16 INDEPENDENT PROJECTS. Independent readings and projects in psychology. Prerequisite: consent of instructor and chairman of department.
- 495-1 to 18 SEMINAR: SELECTED TOPICS. Varied content. To be offered from time to time as need exists.
- 501-12 (4, 4, 4) Proseminar in General Psychology.
- 509-4 Instrumentation in Behavioral Science.
- 512-4 Sensory Processes.
- 514-8 (4, 4) Physiological Psychology.
- 520-4, 521-4, 522-4 Research Design and Inference I, II, III.
- 523-2 Research Seminar.
- 524-4 Advanced Research Methodology.
- 525-4 Mental Test Theory.
- 530-4 Personality Theory and Dynamics.
- 531-2 to 4 Advanced Psychopathology.
- 532-2 Experimental Approaches to Personality.
- 533-3 Experimental Approaches to Psychopathology.
- 536-4 Fundamentals of Counseling.
- 537-4 Counseling and Psychotherapy.
- 538-2 Group Psychotherapy.
- 541-6 (4, 2) Psychodiagnostics I.
- 543-6 (4, 2) Psychodiagnostics II.
- 545-2 Psychodiagnostics III.

- 546-3 to 4 Psychodiagnostics for Special Populations.
- 547-2 Assessment Procedures in Counseling.
- 552-4 Experimental Child Psychology.
- 554-2 Development Theory.
- 556-2 Psychological Treatment of the Child.
- 561-4 Social Influence Processes.
- 562-4 Observational Techniques and Content Analysis.
- 564-4 Communication and Group Behavior.
- 571-4 Industrial Motivation and Morale.
- 572-4 Industrial Training.
- 573-2 Selection and Placement.
- 574-2 Psychology of Industrial Relations.
- 576-2 to 4 Human Engineering.
- 590-1 to 16 Readings in Psychology.
- 591-1 to 36 Research in Psychology.
- 593e-1 to 18 Practicum in Clinical Psychology.
- 593f-1 to 18 Practicum in Counseling Psychology.
- 593h-1 to 18 Practicum in Industrial Psychology.
- 593j-1 to 18 Practicum in Child Psychology.
- 593k-1 to 18 Practicum in School-Community Mental Health Psychology.
- 593l-1 to 18 Practicum in Teaching of Psychology.
- 593m-1 to 18 Practicum in Rehabilitation.
- 593n-1 to 18 Practicum in Rehabilitation Counseling.
- 595-1 to 18 Advanced Seminar.
- 598-2 Ethical and Professional Problems in Psychology.
- 599-1 to 9 Thesis.
- 600-1 to 45 Dissertation.

RELIGION

The educated citizen will have some knowledge of the cultural traditions contributing to our Western civilization. A great part of our heritage is directly related to the treasure of knowledge and practices of our religious traditions. Through the religious foundations, credit courses in religion provide an opportunity for every student to enjoy a fuller educational experience.

Students may present a minor in religion to satisfy the minor requirement for a degree in the College of Liberal Arts and Sciences. This minor consists of thirty quarter-hours: fifteen hours earned in courses selected from the following list (Group A) offered by the academic departments of the college; and (Group B) fifteen hours earned in courses offered by the various religious foundations. In the second group of fifteen hours, courses must be taken in at least two foundations.

Group A courses include GSC 310, 345, 382, 383, English 438, 473, History 304, 415b, Philosophy 301, 340, Psychology 305, 307, Sociology 102,

333, 340, 351, 450. Descriptions of these courses may be found under the various departments or in the General Studies bulletin.

Description of courses offered by the religious foundations and the list of required courses for the minor in Religion may be secured from the foundations or from the College of Liberal Arts and Sciences. The maximum credit in religion courses accepted toward the bachelor's degree is 15 hours.

RUSSIAN AND CENTRAL EUROPEAN STUDIES

A minor in area studies with specialization in Russian studies or in Central European studies is offered especially for those students who also work for a minor or a major in foreign languages: Russian for Russian studies; German, Russian, or French for Central European studies.

For both minor programs a minimum of 24 hours must be earned in the chosen field, at least 12 of them in principal courses, the rest by electives. Not more than three courses offered by one department will be counted toward fulfillment of the requirements. In exceptional cases an elective course may be substituted after consultation with the adviser for the program.

Principal courses for the *Russian studies* consist of Economics 460, Geography 464, Government 453, History 372. Electives are GSB 312, Anthropology 305b, 306b, Economics 418, 481, Geography 462, Government 455, History 312, 430.

Principal courses for the *Central European studies* consist of GSB 390, Economics 418, Geography 462, Government 455, History 312, 430. The electives are GSB 312, Anthropology 306b, Economics 460, 481; Geography 464, Government 453, History 372. One reading course or one independent-studies course can be used in fulfillment of the requirements. Each student's curriculum, however, should be approved by the adviser for the program.

SOCIOLOGY

Research Professor Richard W. Poston.

Professors Myrl E. Alexander, Paul J. Campisi, Frank Hartung, Joseph K. Johnson, Herman R. Lantz, Peter Andreas Munch, Wilson Record, Charles R. Snyder (Chairman), William J. Tudor, James D. Turner.

Associate Professors Melvin S. Brooks, Richard C. Franklin, Eloise C. Snyder.

Assistant Professors Joe C. Eades, Frank C. Nall, II, Louis Petroff, Raymond L. Schmitt, Ronald W. Vander Wiel.

Instructors Robert C. Child, William Simon, William T. Tucker.

Visiting Professors Hugh D. Duncan, Raymond E. Wakeley.

The Department of Sociology offers major and minor programs for students in both the College of Liberal Arts and Sciences and the College of Education.

SUGGESTED CURRICULA IN SOCIOLOGY

BACHELOR OF ARTS DEGREE, COLLEGE OF LIBERAL ARTS AND SCIENCES

<i>General Studies Requirements</i> (See page 9.)	96
<i>Air Science Requirement</i> (See the General Information bulletin.) ..	3
<i>College of Liberal Arts and Sciences Requirements</i> (See page 10.)	33
<i>Requirements for the Major in Sociology</i>	36
General Studies Area B 201-9, 321-3	(12)
General Studies Area D 108-9 (or Mathematics 220-4)	(9)
Sociology 400, 407, 412, 451	15
Sociology electives in courses whose second digit is not 8, to complete 42 hours (counting GSB 201b & 321)	21
<i>Elective Courses in Related Fields</i>	24
<i>Total</i>	192

Social Work

The following curriculum in the College of Liberal Arts and Sciences leads to the Bachelor of Arts degree with a major in sociology and specialization in social work.

<i>General Studies Requirements</i> (See page 9.)	96
<i>Air Science Requirement</i> (See the General Information bulletin.)	3
<i>College of Liberal Arts and Sciences Requirements</i> (See page 10.)	33
<i>Requirements for the Major in Sociology</i>	41
General Studies Area B 201-9, 321-3 (6 hours count toward the major)	(12)
General Studies Area D 108-9 (or Mathematics 220-4)	(9)
Government 232	5
Sociology 380, 383, 400, 412, 481, 482	22
Sociology electives to complete 42 hours	14
<i>Elective Courses in Related Fields</i>	19
<i>Total</i>	192

MINOR

A minor in sociology consists of a minimum of 24 hours.

COURSE DESCRIPTIONS

Courses in sociology are listed according to numerical order. However, the second digit in the course number indicates its field as follows:

- 00-09 General Sociology
- 10-19 Methodology and Research Techniques
- 20-29 Social Psychology
- 30-39 Social Organization and Structure
- 40-49 Family
- 50-59 Sociology of Knowledge
- 60-69 Social Disorganization and Deviance
- 70-79 Special Fields
- 80-89 Applied Fields

- 102-5 SOCIAL PROBLEMS. An analysis of selected contemporary social problems in their social and cultural setting such as crimes, suicide, mental illness, the vices, family disorganization, with emphasis upon their extent and significance.
- 305-4 SOCIAL INSTITUTIONS. Concepts of institutions; origins, development, and variability of institutions; institutional lag and change. Prerequisite: GSB 201b.
- 306-4 SOCIAL CONTROL. The means and principles of social controls; social institutions as factors in control; techniques of directing social action. Prerequisite: GSB 201b.
- GSB 321-3 SOCIALIZATION OF THE INDIVIDUAL.
- 322-3 PROPAGANDA AND PUBLIC OPINION. Techniques and characteristics of propaganda; methods of measuring public opinion. Prerequisite: GSB 201b.
- GSB 325-3 RACE AND MINORITY RELATIONS.
- 333-4 COMMUNITY ORGANIZATION. Factors involved in community organization; types, aims, and objectives; community diagnosis; individual case study of specific community. Prerequisite: GSB 201b.
- 335-4 URBAN SOCIOLOGY. The rise, development, structure, culture, planning and problems in early and modern cities. Prerequisite: GSB 201b.
- 336-4 SOCIOLOGY OF RURAL LIFE. The structure, functioning, and change of rural social life; study of informal groups, neighborhoods, and communities; social class and value orientation. Prerequisite: GSB 201b.
- 338-4 INDUSTRIAL SOCIOLOGY. Social organization and processes within the formal and informal structure of the industrial unit; research and experimental materials concerning social determinants of morale, status and role of the worker. Prerequisite: GSB 201b.
- 340-4 THE FAMILY. The family in historic and contemporary society; evolution of the modern family; changes in family functions, structures, and roles. Prerequisite: GSB 201b.
- GSB 341-3 MARRIAGE.
- 351-4 SOCIOLOGY OF RELIGION. Function of religious institutions in society and their relationship to other major social institutions; role in social control and group solidarity. Prerequisite: GSB 201b.
- 371-4 POPULATION AND MIGRATION. Quality and quantity of popula-

- tion, problems of growth, composition, distribution, differential fertility, international and internal migration, and control of numbers and quality. Prerequisite: GSB 201b or equivalent in economics, geography, or government.
- 372-4 **CRIMINOLOGY.** The nature of crime; criminal statistics; causal factors; theories and procedures in prevention and treatment. Prerequisite: GSB 201b.
- 373-4 **JUVENILE DELINQUENCY.** Nature of juvenile delinquency; factors contributing to delinquent behavior; treatment and prevention. Prerequisite: GSB 201b.
- 374-3 **SOCIOLOGY OF EDUCATION.** Methods, principles, and data of sociology applied to the school situation; relation of the school to other institutions and groups; may be counted either as sociology or education. Prerequisite: GSB 201b.
- 380-4 **INTRODUCTION TO SOCIAL WORK.** The historical development, philosophy, and theory forming the basis for the professional practice of social work; processes developed and the specialities within each of them; personal and educational requirements for the career opportunities available. Prerequisite: GSB 201b.
- 383-4 **INTRODUCTION TO INTERVIEWING.** Theory and practice of interviewing as a means of gaining information, and of understanding and imparting the same. Focus is on the interview as a tool in social work, but principles are generally applicable. Prerequisite: GSB 201b or c.
- 400-2 **CURRENT SOCIOLOGY.** Students read, report on, and evaluate content of leading sociological journals. Prerequisite: 8 hours of sociology.
- 406-3 **SOCIAL CHANGE.** Processes of social change in the modern world; culture lag and conflict of norms; individual and social problems arising from conflicting systems of social values and cultural norms. Prerequisite: 8 hours of sociology.
- 407-4 **INTEGRATED SOCIOLOGY.** Designed for senior students with a sociology major. Integration of sociological concepts and principles: society and culture, the human group, social norms and patterns, status and role, organization, structure, function, and social change. Prerequisite: 15 hours of sociology.
- 412-5 **SOCIOLOGICAL RESEARCH.** Introduction to methods of sociological research. Relations between theory and research design. Application of scientific methods to social data. Prerequisite: 12 hours of sociology or consent of instructor.
- 415-3 **LOGIC OF THE SOCIAL SCIENCES.** (See Philosophy 415.)
- 424-4 **COLLECTIVE BEHAVIOR.** The behavior of people in large groups; collective interstimulation and emotions; crowds, audiences, and publics; mass stimuli and mass response. Prerequisite: GSB 321 or 322, or consent of instructor.
- 426-4 **SOCIAL FACTORS IN BEHAVIOR AND PERSONALITY.** How group situations and values affect behavior and shape personality; development of concepts, role-concepts, attitudes, values; theories of motivation; self-concepts; conflicting social values in relation to individual motivation. Prerequisite: GSB 321 or Psychology 305, or consent of instructor.
- 427-4 **PERSONALITY AND SOCIAL ADJUSTMENT.** Basic mechanisms of adjustive behavior; concepts and criteria of personal integration and

- social adjustment; varieties of adjustive and non-adjustive behavior; theories of personal organization and disorganization; selected problems. Prerequisite: GSB 321 or Psychology 305, or consent of instructor.
- 435-4 SOCIAL STRATIFICATION. A comparative study of social class systems, with emphasis on the American systems. Relationships of class position to behavior in areas such as family, religion, politics. Prerequisite: GSB 201b.
- 438-3 SOCIOLOGY OF OCCUPATIONS AND PROFESSIONS. Natural history and institutional aspects of occupations in our society, cultural context of occupations in both primitive and modern society, preparation for jobs, human values in work, promotion and discharge, mobility, retirement. Prerequisite: GSB 201b.
- 449-4 SOCIOLOGY OF AGING. The social implications of an aging population; social adjustments to the aging process; personal adjustments to the roles and statuses of later maturity; a consideration of retirement and public assistance programs for older people. Prerequisite: GSB 201b or consent.
- 450-4 SOCIAL THOUGHT I: BEFORE 1800. Ancient background of Western social thought; development of modern social thought. Prerequisite: general background in history.
- 451-4 SOCIAL THOUGHT II: THE SOCIOLOGICAL MOVEMENT. Rise and development of scientific social thought in Western society. Prerequisite: background in nineteenth-century history or literature.
- 453-4 SOCIAL MOVEMENTS. A sociological study of modern social movements; social and cultural backgrounds, forms of expression and organization; social structure of social movements, their role and function in modern society. Prerequisite: 8 hours of sociology.
- 472-4 TREATMENT AND PREVENTION OF CRIME. Principles of penology; history of punishment and prisons; criminal law, police function, criminal courts; the prison community; the juvenile court and related movements. Prerequisite: 372.
- 480-2 HISTORY AND LEGAL ASPECTS OF REHABILITATION. A survey of historical and legal developments in rehabilitation agencies, with particular emphasis on current theories and trends. Open only to students in the Rehabilitation Institute.
- 481-4 PROCESSES IN SOCIAL WORK. Theory, rationale, and practice of casework, group work, social welfare organization, and the roles of supervision, administration, and research in relation to each. Case material study and discussion with field observation and practice. Prerequisite: 380 or consent of instructor.
- 482-3 SOCIAL WORK IN SELECTED AGENCIES. Study of representative literature on casework in family, psychiatric, medical, school, military, child welfare, and correctional settings, and others. Case material study and discussion with field observation and practice. Prerequisite: 481.
- 483-3 CURRENT PROBLEMS IN CORRECTIONS. (Same as Psychology 483.) An exploration of contemporary problems in the control and treatment of sentenced offenders. Prerequisite: consent of instructor.
- 484-3 SURVEY COURSE IN MARRIAGE COUNSELING. Survey and analysis of the field of marriage counseling; assessment of current practices and techniques in terms of contemporary sociological theory. Prerequisites: GSB 341 and consent of instructor.

- 486-1 to 5 INDEPENDENT STUDY IN COMMUNITY DEVELOPMENT. Supervised individual study of the literature in community development. Prerequisite: consent of Community Development Institute director.
- 487-7 (4, 3) COMMUNITY DEVELOPMENT. (a) The concepts of community development and analysis of the social-psychological forces and processes involved in citizen study, planning and action directed toward the fuller development of communities in a democratic society. (b) Principles and procedures applicable to solving social problems in the context of a community development program. Laboratory period for field trips. Must be taken in a,b sequence. Prerequisite: 4 hours of sociology or equivalent.
- 489a-3 THE AMERICAN CORRECTIONAL SYSTEM. A survey of the correctional field covering probation, institutions, and parole; their historical development, organizational structure, program content, and current problems. Some attention given to recent developments in foreign countries. Prerequisite: Consent of instructor.
- 489b-4 PROBATION, CLASSIFICATION, AND PAROLE. An introduction to the structure and function of those elements of the correctional process primarily concerned with the evaluation, treatment, and control of offenders with particular attention to the casework components of the process. Prerequisite: 481 or consent of instructor.
- 489d-3 PROBLEMS IN CORRECTIONAL RESEARCH. The problems of designing and conducting research in correctional institutions and agencies, a review of research trends in corrections, development of an inventory of the most critical research areas in corrections. Prerequisite: 483, 489a, or consent of the instructor.
- 489e-2 to 4 INDEPENDENT STUDY IN CORRECTIONS. Supervised readings or independent investigative projects in the various correctional aspects of crime control, institutional management, and specific correctional programs. Prerequisite: consent of instructor.
- 501-4 Survey of Sociological Theory.
- 502-4 Seminar in European Sociological Theory: 1800-1910.
- 503-4 Seminar in European Sociological Theory: 1910 to the present.
- 504-4 Seminar in American Sociology I: Foundations.
- 505-4 Seminar in American Sociology II.
- 506-4 Seminar in Contemporary Sociological Theory.
- 519-4 Methodological Foundations of the Social Sciences.
- 521-4 Seminar in Social Psychology.
- 526-4 Quantitative Methods in Sociology I.
- 527-4 Quantitative Methods in Sociology II.
- 528-4 Quantitative Methods in Sociology III.
- 529-4 Sociological Measurement.
- 530-4 Research Design.
- 531-4 Research Analysis.
- 537-4 Sociology of Law.
- 538-4 Seminar in Industrial Sociology.
- 539-4 Sociology of Bureaucracy.
- 542-4 Seminar on the Family.
- 543-4 Seminar in Family Variability.
- 544-4 Seminar in Family Research.

- 545-4 The Family and Social Change.
- 561-4 Alcohol and Society.
- 562-4 Deviance and Disorganization.
- 563-4 Research Problems in Deviance and Disorganization.
- 564-4 Social Factors in Mental Disorders.
- 566-4 Community Organization and Disorganization.
- 572-4 Seminar in Criminology.
- 582-4 Criminal Law and the Correctional Process.
- 583-4 to 12 Supervised Field Work in Corrections.
- 584-4 Seminar in Correctional Program Management.
- 586-3 The Change Agent in Planned Change.
- 587-2 to 8 Individual Research in Community Development.
- 591-2 to 6 Individual Research.
- 596-2 to 12 Readings in Sociology.
- 599-2 to 9 Thesis.
- 600-1 to 48 Dissertation.

THEATER

The Department of Theater, an academic unit of the School of Communications, offers a curriculum leading to the Bachelor of Arts degree in the College of Liberal Arts and Sciences. The curriculum and the courses are described in the bulletin of the School of Communications.

ZOOLOGY

Professors Harvey I. Fisher (Chairman), Willard M. Gersbacher, Willard D. Klimstra, William M. Lewis.
Associate Professors Richard E. Blackwelder, John C. Downey, Edwin C. Galbreath, George Garoian, Hermann J. Haas, Howard J. Stains, Hilda A. Stein (Emerita, 1963).
Assistant Professors Ronald A. Brandon, DuWayne C. Englert, William G. George, Jan Martan, Harold J. Walter.
Instructors Vernon W. Cole, Robert C. Summerfelt.

Visiting Professor Richard R. Kudo.

SUGGESTED CURRICULA IN ZOOLOGY

BACHELOR OF ARTS DEGREE, COLLEGE OF LIBERAL ARTS AND SCIENCES	
<i>General Studies Requirements</i> (See page 9.)	87
<i>Air Science Requirement</i> (See the General Information bulletin.)	3
<i>College of Liberal Arts and Sciences Requirements</i> (See page 10.)	33
<i>Requirements for the Major in Zoology</i>	74.5
General Studies Area A 201-9 (4.5 hours count toward the 48-hour major.)	
	(9)

Botany or physics	12
Chemistry 111-15	15
Foreign Language (French, German, or Russian)	(9)
Zoology 102, 103, 202, 300, 382-1.5, 310, 401	31.5
Zoology 303, 306, 408, 414, 461, 465 (any one)	4
Zoology electives to complete 48 hours, which may include GSA 312, 313, and 315	12
<i>Electives</i>	0
Recommended: three additional quarters of the foreign language elected, two of mathematics, one of physiology, one of microbiology, and organic chemistry	
<i>Total</i>	197.5

One who majors in zoology is expected to register consecutively in Zoology 102, 103, 202, and 300.

Zoology majors or minors who expect to enter such professions as teaching, fish and wildlife management, dentistry, medicine, veterinary medicine, or allied fields should consult with the department concerning their programs.

MINOR

A minor in zoology consists of at least 24 hours, including GSA 201-9 (which contributes only 4.5 hours); Zoology 102, 103; and at least one laboratory course numbered above 199. GSA 312, 313, 314, 315 may be counted toward the 24-hour minimum.

COURSE DESCRIPTIONS

- 102-5 GENERAL INVERTEBRATE ZOOLOGY. Studies of representatives of the various kinds of invertebrate animals. Relationships, structure, and natural history are emphasized. Prerequisite: GSA 201c.
- 103-5 GENERAL VERTEBRATE ZOOLOGY. Studies of representatives of the various kinds of vertebrate animals, with special emphasis on the amphibian type. Evolutionary development, structure, and natural history are emphasized. Prerequisite: GSA 201c.
- 202-5 COMPARATIVE ANATOMY OF THE VERTEBRATES. Comparative studies of the organ systems of vertebrate animals, with emphasis on the phylogeny and evolution of these organs. Prerequisite: 103.
- 300-5 VERTEBRATE EMBRYOLOGY. Development of the individual with the frog, chick, and pig as types. Prerequisite: 202.
- 303-4 GENERAL ORNITHOLOGY. Classification and recognition of birds and the study of their songs, nests, migratory habits, and other behavior. Prerequisite: 103.
- 306-4 ENTOMOLOGY. Principles of the structure, classification, and life histories of insects. Prerequisite: 102.

- 310-5 ANIMAL ECOLOGY. Habitats, relations, formations, and associations of animals. Cost of field trips may be \$10-\$25 per student. Prerequisites: 102, 103.
- GSA 312-3 CONSERVATION OF NATURAL RESOURCES.
- GSA 313-3 EVOLUTION.
- GSA 314-3 MAN'S GENETIC HERITAGE.
- GSA 315-3 HISTORY OF BIOLOGY.
- 316-4 INSECT PESTS AND THEIR CONTROL. Principal injurious insects and their allies; chemical and biological methods of control. (Credit may not be used toward a major in zoology.) Prerequisite: GSA 201c.
- 321-5 HISTOLOGICAL TECHNIQUE IN ZOOLOGY. Methods of preparing material for microscopic study. Prerequisite: one year of zoology.
- 322-2 to 5 PROBLEMS IN ZOOLOGY. Research on zoological problems. Prerequisite: 4.25 grade-point average, senior standing, and approval of the department. (Credit may not be used toward a minor in zoology.)
- 382-2 (1.5-2.0, 0.5, 0.5) ZOOLOGY SEMINAR FOR SENIORS. Required each term of seniors majoring in zoology. Prerequisite: senior standing.
- 400-2 ANIMAL TAXONOMY. The concepts of taxonomy and their use in zoology. Prerequisite: one year of zoology or consent of instructor.
- 401-5 GENETICS. Principles of inheritance, including genetic mechanisms, mutation, and selection. Prerequisites: 15 hours of biological science and consent of instructor.
- 402-4 NATURAL HISTORY OF INVERTEBRATES. Observation, identification, and life histories. Designed for teachers. Not for students specializing in invertebrate zoology. Prerequisite: one year of zoology, including 102.
- 403-4 NATURAL HISTORY OF VERTEBRATES. Observations, identification, and life histories. Designed for teachers. Not for students specializing in vertebrate zoology. Prerequisite: one year of zoology, including 103.
- 404-2 to 8 ZOOLOGY FIELD STUDIES. An extended trip to study animals in various environments. Arrangements made in advance. Costs per individual will be approximately \$25 per week. (4 hours may be used for undergraduate credit and 4 hours for graduate credit.) Prerequisites: senior standing, major or minor in zoology, consent of instructor.
- 406-4 PROTOZOOLOGY. Taxonomy, cytology, reproduction, and physiology of unicellular animals. Laboratory methods of culturing and studying. Prerequisites: one year of zoology, including 102, consent of instructor.
- 407-5 PARASITOLOGY. Principles, collection, identification, morphology, life histories, and control measures. Prerequisite: one year of zoology, including 102.
- 408-4 HERPETOLOGY. Taxonomic groups, identification, and natural history of amphibians and reptiles. Prerequisite: one year of zoology, including 103.
- 409-5 HISTOLOGY OF ORGANS. Microscopic structure of organs and tissues with emphasis on the mammal. Prerequisite: 202.
- 410-4 VERTEBRATE PALEONTOLOGY. History of vertebrate animals in terms of their morphological change, geological succession, and ecological relationships. Prerequisite: one year of zoology, including 202 or Geology 221.
- 412-4 ADVANCED ENTOMOLOGY. Morphology, physiology, systematics, and distribution of insects. Prerequisite: 306.

- 413-5 THE INVERTEBRATES. Structure, development, and natural history of invertebrates, except insects and parasites. Prerequisites: one year of zoology, including 102.
- 414-4 FRESH-WATER INVERTEBRATES. Taxonomic groups, identification, and natural history of the regional fauna. Prerequisites: one year of zoology, including 102.
- 441-4 ADVANCED VERTEBRATE EMBRYOLOGY. Principles of development and organization of vertebrate animals during embryogenesis, with emphasis on mammalian forms. Prerequisite: 300.
- 459-4 GAME BIRDS. Natural history and management. Prerequisite: one year of zoology, including 103.
- 461-4 MAMMALOLOGY. Taxonomic groups, identification, and natural history of mammals. Prerequisite: one year of zoology, including 103.
- 463-4 GAME MANAGEMENT. General survey of management principles and techniques. Prerequisites: 15 hours of biological science and consent of instructor.
- 465-4 ICHTHYOLOGY. Taxonomic groups, identification, and natural history of fishes. Prerequisite: one year of zoology, including 103.
- 466-4 FISH MANAGEMENT. Sampling, dynamics, and manipulation of fish populations, age and growth of fishes, and habitat improvement. Prerequisites: 15 hours of biological science and consent of instructor.
- 501-4 Animal Biology for High School Teachers of Biology.
- 502-2 Recent Developments in Biological Sciences.
- 507-8 BSCS—High School Biology.
- 508-4 Helminthology.
- 510-4 Bio-Ecology.
- 511-4 Limnology.
- 512-3 Animal Geography.
- 513-3 Advanced Ornithology.
- 520-5 Advanced Invertebrates.
- 521-4 Advanced Limnology.
- 525-5 Cytology.
- 540-3 Factors in Animal Reproduction.
- 560-3 Advanced Game Management.
- 561-4 Game Mammals.
- 566-4 Fish Culture.
- 578-4 Population Genetics.
- 579-4 Animal Behavior.
- 580-4 Advanced Systematics.
- 581-3 Readings in Current Zoological Literature.
- 582-1.5 ($\frac{1}{2}$, $\frac{1}{2}$, $\frac{1}{2}$) Graduate Zoology Seminar.
- 583-3 (1, 1, 1) The Teaching of Zoology in College.
- 584-3 (1, 1, 1) Protozoology Seminar.
- 596-3 to 12 Special Research.
- 599-2 to 9 Research and Thesis.
- 600-3 to 48 Research and Dissertation.

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TO EXALT BEAUTY

IN GOD.

IN NATURE.

AND IN ART.

TEACHING HOW TO LOVE THE BEST

BUT TO KEEP THE HUMAN TOUCH.

TO ADVANCE LEARNING

IN ALL LINES OF TRUTH

WHEREVER THEY MAY LEAD

SHOWING HOW TO THINK

RATHER THAN WHAT TO THINK.

ASSISTING THE POWERS

OF THE MIND

IN THEIR SELF-DEVELOPMENT.

TO FORWARD IDEAS AND IDEALS

IN OUR DEMOCRACY.

INSPIRING RESPECT FOR OTHERS

AS FOR OURSELVES.

EVER PROMOTING FREEDOM

WITH RESPONSIBILITY.

TO BECOME A CENTER OF ORDER AND LIGHT

THAT KNOWLEDGE MAY LEAD

TO UNDERSTANDING

AND UNDERSTANDING

TO WISDOM.

College of Education

Announcements for 1964-1966



SOUTHERN ILLINOIS UNIVERSITY BULLETIN
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The following issues of the *Southern Illinois University Bulletin* may be obtained without charge from General Publications, Southern Illinois University, Carbondale, Illinois 62903.

General Information
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Summer Session (Edwardsville)
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College of Liberal Arts and Sciences
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School of Business
School of Communications
School of Fine Arts
School of Home Economics
School of Technology
Division of Technical and Adult Education
Department of Nursing

All intending students should have the General Information Bulletin (issued once a year), plus the special bulletins of the various educational units in which they are most interested.

Announcements for 1964-1966

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This Bulletin

covers in detail questions concerning the College of Education. It does not cover all questions concerning Southern Illinois University. For complete information about the University the prospective student should refer to the General Information bulletin.

This issue supersedes Volume 3, Number 10.

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College of Education

SOUTHERN ILLINOIS UNIVERSITY was founded as an institution of higher learning to encourage teacher preparation in downstate Illinois in the years following the Civil War. The growth of the institution was such that by 1943 the need for a graduate program in Southern Illinois was apparent, and teacher preparation functions were assembled in the College of Education, established in 1945.

The basic aim of the College of Education is the preparation of professional workers in the field of education and allied community services; teachers of all levels from kindergarten through college; educational administrators, supervisors, directors, guidance personnel, and other specialists.

Through co-operation with other academic units of the University, the College of Education provides the classroom teacher with a basic knowledge of his special field; observation, practice, and laboratory experience link theory with application at each level.

Administrators, supervisors, and directors of special programs are expected to be professional leaders in school and community. The preparation of such specialists focuses on developing the knowledge and skills required for this leadership.

Beyond the immediate demands of our public schools, the College of Education recognizes a responsibility to prepare through advanced study those who will become teachers of teachers, directors of teacher education programs, college administrators, and research specialists. The College of Education is accredited by the North Central Association of Colleges and Secondary Schools, and by the National Council for Accreditation of Teacher Education.

PROFESSIONAL SERVICES

The College of Education has a responsibility to provide services of three general kinds: (1) to prepare effective professional workers for the public schools of the state; (2) to have its faculty participate fully in the effort to improve higher education in the state and nation; (3) to respond to the needs and requests of groups that are interested in the growth of Southern Illinois. Moreover, it has a continuing dedication to promoting growth through visitation of schools and consultation with teachers, school officers, and citizens.

RESEARCH

The College of Education recognizes its obligation to conduct and to promote research of two kinds: (1) surveys and planning in the area, especially where industry, social agencies, communities, or schools can benefit from the findings of such surveys; and (2) basic research which will make significant and continuous contributions to the factual foundations of education. This involves the training of competent research workers on the graduate level. It also involves continuous dissemination of the results of productive investigations by staff members.

EDUCATIONAL RESEARCH BUREAU

The major functions of the Educational Research Bureau are four:

1. To originate, plan, conduct, and report on all types of educational research projects at Southern Illinois University and in southern Illinois;
2. To provide an opportunity for staff and students at Southern Illinois University to learn about and engage in educational research;
3. To collect, screen, and disseminate information regarding educational research needs, opportunities, and findings to Southern Illinois University faculty members and to other concerned educators in southern Illinois; and
4. To provide consultant service for Southern's faculty and students and for other educators in southern Illinois regarding formulating research projects; research planning; collecting and analyzing data; and preparing reports.

Individuals interested in obtaining additional information regarding the Educational Research Bureau may consult the head of the bureau.

PROGRAMS OF INSTRUCTION

In the College of Education a high school graduate looking for a career in the educational world can prepare for junior college, high school, elementary, or early-childhood teaching; for coaching; for positions in school administration; for guidance work; for teaching and supervising special education; and for other community services. He can prepare to teach in special fields such as art, music, home economics, industrial arts, business, and agriculture. He can prepare to be a teacher of business, English, foreign languages, mathematics, science, social studies, and others. He can develop teaching competence in such fields as speech correction and general speech. He can dedicate himself, if he wishes, to the teaching of mentally handicapped children, the hard of hearing, and the partially sighted. Physical education as a field attracts many able men and women, as do such newer fields as recreation and outdoor education. The graduate may look for a career in health education or in school counseling. He may prepare to be a principal or a superintendent by going on with graduate work, or even to be a teacher of teachers in some college or university.

The College of Education grants the Bachelor of Science in Education and the Bachelor of Music Education degrees.

STUDENT ORGANIZATIONS

STUDENT EDUCATION ASSOCIATION

The Student Education Association was founded in 1939 as the Egyptian Chapter of Future Teachers of America. It was the first F.T.A. chapter in the state of Illinois. Since that time various staff members from the College of Education have served as sponsors. In the fall of 1958, the name of the organization was changed to the Student Education Association in line with the suggestion of the National Education Association, its parent body.

The Student Education Association is the professional organization for college or university students preparing to teach. Each member is a student member of his state education association and the National Education Association with all the rights, privileges, and responsibilities of associate membership in these professional organizations. Student Education Association members have the same liability insurance coverage (\$25,000) as

members of the Illinois Education Association, while they are student teaching.

The purposes of the Egyptian Chapter of the Student Education Association are (1) to develop personal and professional competence; (2) to gain an understanding of the organized teaching profession; (3) to participate in co-operative work on the problems of the profession in the community; (4) to encourage active professional membership on the local, state, national, and world level; and (5) to provide experiences which will interest capable students in teaching as a career.

ASSOCIATION FOR CHILDHOOD EDUCATION

The Southern Illinois University A.C.E. is a branch of the Association for Childhood Education International whose purposes are (1) to work for the education and well-being of children; (2) to promote desirable conditions, programs, and practices in the schools, nursery through elementary; and (3) to bring into active co-operation all groups concerned with children in the school, the home, and the community.

This branch of A.C.E. is sponsored by the Department of Elementary Education. Membership is opened to all persons, students and faculty, who are concerned with children from two to twelve years of age.

Members meet on the first Thursday evening of each month; dues are nominal.

KAPPA DELTA PI

Kappa Delta Pi is an honor society in education for juniors, seniors, and graduate men and women who have achieved a scholastic average of 4.5 in education and a 4.25 over-all average. It is a national organization, which grew from a small group dedicated to improving the quality of teaching to its present hundreds of chapters over the United States. The local chapter, Delta Chi, was installed at Southern in 1937.

PHI DELTA KAPPA

Phi Delta Kappa is the largest and oldest professional fraternity for men in education. It is an association for good fellowship and the achievement of certain common professional goals.

The chief purpose of Phi Delta Kappa is to promote free public education as an essential to the development and maintenance of a democracy,

through the continuing interpretation of the ideals of research, service, and leadership. It is the purpose of Phi Delta Kappa to translate these ideals into a program of action appropriate to the needs of public education.

PI LAMBDA THETA

Pi Lambda Theta is a national honor organization for women in education. Pi Lambda Theta seeks to maintain the highest standards of scholarship and professional preparation; to further the cause of democratic education; to encourage intellectual understandings; to stimulate participation in local, state, national, and international problems; and to promote graduate work and research. To be eligible for membership a student must be a woman of at least junior standing and enrolled in the field of education. She must have an academic average equal to the highest one-fourth of all women in the College of Education. She must be recommended by two faculty members and be sponsored by a member of the organization.

ADMISSION TO THE COLLEGE

Inquiries concerning admission to the college should be addressed to the Admissions Office. Application for admission should be initiated at least thirty days in advance of the desired entrance date. High school seniors should start the admission process during the first semester of their senior year, but their formal admission will not be considered until after receipt of the high school record showing completion of the seventh semester of high school work.

Freshmen and students who transfer fewer than 90 hours of acceptable credit are admitted to General Studies. Students in General Studies are eligible to petition for admission to the College of Education when they have completed 75 hours of work. Transfer students who entered Southern with more than 75 hours but who were admitted to General Studies may petition for admission to the college after one quarter's attendance.

COMPLETE DETAILS concerning admission, tuition, fees, housing, degree requirements, and student employment are given in the General Information bulletin. For a free copy write to Central Publications, Southern Illinois University, Carbondale, Illinois 62903.

TUITION AND FEES

At the present time legal residents of Illinois registered for more than eight hours of credit pay a total of \$65.50 per quarter. This includes \$42 tuition, an \$8 book rental fee, a \$5 student union building fund fee, and a \$10.50 student activity fee. Out-of-state students pay an additional \$80 tuition, or a total of \$145.50. Students registered for eight hours or fewer pay one-half tuition, one-half book rental fee, and full student union building fund fee; they have the option of paying the student activity fee.

ADVISEMENT

In order to insure that an undergraduate student is properly advised concerning the course of study which will fulfill the general University requirements and prepare him for his chosen career, academic advisement has been made the special responsibility of a selected group from the teaching faculty. The College of Education has a chief academic adviser and a number of assistant advisers.

REQUIREMENTS FOR THE BACHELOR'S DEGREE

Each candidate for the degree must complete 192 hours of credit in approved courses. At least 64 must be in senior college courses, of which 48 must be earned at Southern, 16 of which may be earned in extension from Southern. Each student must have a "C" average, and grades not lower than "C" in subjects aggregating at least three-fourths of the work. A "C" average is required in the major subject. These minimum averages are required for the credit made at Southern as well as for the total record.

Throughout this bulletin, hours of credit are *quarter hours* except where otherwise indicated. One quarter hour is two-thirds of a semester hour.

Every bachelor's degree candidate is expected to meet the University's general requirements and to follow the recommendations of the academic unit in which he intends to do his major work.

For a complete statement of the University's general requirements for

a bachelor's degree, please refer to the section headed "Degrees" in the General Information issue of the *Southern Illinois University Bulletin* and to the General Studies issue. The General Studies program is outlined below.

OUTLINE OF GENERAL STUDIES REQUIREMENTS

<i>Area A: Man's Physical Environment and Biological Inheritance</i>	24 hours
A first-level basic sequence	9 hours
A second-level continuation sequence	9 hours
Third-level advanced courses	6 hours
<i>Area B: Man's Social Inheritance and Social Responsibilities</i>	24 hours
A first-level basic sequence	9 hours
A second-level continuation sequence	9 hours
Third-level advanced courses	6 hours
<i>Area C: Man's Insights and Appreciations</i>	24 hours
A first-level basic sequence	9 hours
A second-level continuation sequence	9 hours
Third-level advanced courses	6 hours
<i>Area D: Organization and Communication of Ideas</i>	18 hours
Required college composition and speech	9 hours
Either a foreign language or a basic mathematics sequence	9 hours
<i>Area E: Health and Physical Development</i>	6 hours
First-level required physical education	3 hours
Second-level required health education	3 hours
<i>Total</i>	96 hours
If a General Studies sequence is waived, the total is only 87 hours.	

TEACHING CERTIFICATES

Students preparing to teach in the public schools of Illinois should be informed that requirements for the Standard Elementary School Certificate are listed on page 12 under Elementary Education; those for the Standard High School Certificate and the Standard Junior College Certificate are listed on pages 38–40 under Secondary Education; those for the Standard Special Certificate are listed on page 8.

Students planning to teach on the early childhood and elementary levels register in the College of Education. Most students planning to

teach on the high school level also register in this college. However, it is possible for a student to be registered in one of the other colleges or schools and meet the state requirements for a standard high school certificate by using as his electives certain prescribed courses in the College of Education. This is also true in the case of those seeking to qualify for a special certificate.

Students qualifying for teaching certificates in Illinois should also know that no certificate issued after July 1, 1953, will be renewed for the first time unless the person holding the certificate passes an examination to the satisfaction of the certificating authority upon the provisions and principles of the Constitution of the United States and of the state of Illinois. This requirement may be fulfilled by completing either Government 231 and 330 or one of the following: GSB 201b, 211b, 300a, Government 300, History 201-3, or 330.

STANDARD SPECIAL CERTIFICATE

The Standard Special Certificate is valid for four years for teaching the special subject or subjects named on the certificate in grades kindergarten through 14. This certificate may be issued to one who has a bachelor's degree and presents certified evidence of having earned credit as follows:

<i>General Education</i> (See General Studies Requirements on page 7.) ..	96
<i>Professional Education</i> (Requirements)	29-35
Guidance 305 (Educational Psychology)	4
Secondary Education 315 or Special Methods	3
Educational Administration and Supervision 355	4
Secondary Education 352 and Elementary Education 351 ..	12-16
Two of the following courses:	6-8
Agricultural Industries 311-3	
Art 308-3	
Guidance 422-4	
Home Economics Education 310-4	
Industrial Education 408-3	
Instructional Materials 417-4	
Secondary Education 310-4, 407-4, 440-3	
<i>Area of Specialization</i>	48
<i>Electives</i>	19
<i>Total</i>	192

Instructional Units

Courses numbered 100–199 are primarily for freshmen; 200–299 for sophomores; 300–399 for juniors and seniors; and 400–499 for seniors and graduate students. Courses numbered above 499 are for graduate students only and can be offered for undergraduate credit only under special circumstances.

Some courses extend over a period of two or more quarters. The hours of credit per quarter are indicated in parentheses following the course number and total credit. For example, 305–8 (4,4) indicates a two-quarter course, four hours of credit per quarter.

Three letters before a course number (e.g. GSB 331 on page 10) mean the course is described in the General Studies bulletin and only titled here.

EDUCATIONAL ADMINISTRATION AND SUPERVISION

Professors George E. Axtelle, Jacob O. Bach (Acting Chairman), George Bracewell, P. Roy Brammell, Royce R. Bryant, Raymond H. Dey, Robert Jacobs, Eugene S. Lawler, Arthur E. Lean, William R. McKenzie, Bruce W. Merwin (Emeritus, 1957), Charles D. Neal, F. G. Warren (Emeritus, 1959).

Associate Professors Fred J. Armistead, Woodson W. Fishback, James Herrick Hall, Kenneth D. Oliver, Jr.

Assistant Professor Leslie J. Chamberlin.

Instructors Raymond L. Foster (Emeritus, 1963), Herbert A. Hoover, Herbert W. Wohlwend.

Adjunct Professors John L. Childs, George S. Counts.

This department includes introductory courses and basic offerings in administration, supervision, and curriculum as well as in the social and philosophical foundations of education and advanced courses and seminars in these areas. The emphasis is mainly on graduate work toward the master's degree, the sixth year specialist's certificate, and the doctorate.

Persons desirous of pursuing such programs should first familiarize themselves with the basic requirements of each as set forth in the Graduate School bulletin.

COURSE DESCRIPTIONS

GSB 331-3. THE AMERICAN EDUCATIONAL SYSTEMS.

355-4. PHILOSOPHY OF EDUCATION. The philosophical principles of education and the educational theories and agencies involved in the work of the schools.

420-4. LEGAL BASIS OF AMERICAN EDUCATION. Legal concepts governing education in the United States. Particular emphasis is placed on common-law principles.

424-4. SCHOOL ADMINISTRATION. Designed primarily for those who look forward to positions as supervisors, principals, or superintendents.

431-4. HISTORY OF EDUCATION IN THE UNITED STATES. A historical study of the problems of American education which have relevance to contemporary education.

432-4. PUBLIC OPINION, PROPAGANDA, AND EDUCATION. Analysis and classification of propaganda. Designed to show how public opinion is formed by a use of current materials from the different channels of communication. Differences between propaganda and indoctrination.

434-1 to 3. ADMINISTRATOR'S WORKSHOP. A special program for the consideration of administrative problems pertinent to superintendents, high school principals, and elementary school principals of Southern Illinois.

456-4. SCHOOL SUPERVISION. The function of the principal or supervisor in the improvement of instruction. Some activities, methods, and devices for improving the effectiveness of teaching.

460-4. CURRICULUM. Modern practices and procedures in curriculum development, with attention to the professional, social, economic, and other major factors in curriculum planning.

485-4 to 9. WORKSHOP IN EDUCATIONAL UTILIZATION OF COMMUNITY RESOURCES. (Same as Guidance 485.)

500-4. Research Methods.

501-0 to 4. Seminar in Educational Administration.

502-4. Seminar In Comparative Education.

502S-4. Seminar In Comparative Education—Soviet Russia.

503-0 to 4. Seminar In Philosophy of Education.

504-4. Seminar In History of European Education.

506-4. Curriculum In Relation to American Culture.

507-12 (4,4,4). The Twentieth Century and Education.

511-12 (4,4,4). Internship Practicum.

520-4. Illinois School Law.

527-4 to 6. Administrative Problems of Small Schools.

533-4. School Buildings.

534-4. School Finance.

535-4. Research In Problems of Administration.

539-4. Community Development Through the Schools.

- 554-4. Contrasting Philosophies of Education.
556-4. Seminar In Educational Supervision.
563-4. School Public Relations.
575-1 to 4. Individual Research. (a-k)
576-1 to 4. Readings in Administration and Supervision. (a-c)
589-2 to 12. General Graduate Seminar.
591-4. Seminar In Social and Philosophical Foundations.
596-5 to 9. Independent Investigation.
597-1 to 3, 598-1 to 3, 599-1 to 3. Thesis.
600-1 to 48. Dissertation.

ELEMENTARY EDUCATION

Professors Robert Karlin, J. Murray Lee (Chairman), Willis E. Malone, Ted R. Ragsdale, Victor Randolph.

Associate Professors Rebecca E. Baker, Ernest E. Brod, Clyde M. Brown, Mary E. Entsminger (Emerita, 1956).

Assistant Professors Luther E. Bradfield, Harold H. Lerch, John F. Newport, Ruby Van Trump (Emerita, 1958).

Visiting Professor Maycie Southall.

Lecturers Donald Darnell, Harold E. Perkins.

The Department of Elementary Education offers undergraduate curricula leading to the Bachelor of Science in Education degree.

A student specializes either in early childhood education or in elementary education. In addition to general university and College of Education requirements a student must (1) meet all requirements pertaining to prerequisites to student teaching and should study the section in this bulletin which lists such requirements; and (2) have at least twenty-four hours in each of these three fields; language arts, science, social science.

Everyone majoring in elementary education or early childhood education should plan to have September Experience. September Experience consists of serving as a teacher aide in an elementary school in the student's own home town after the public schools open in the fall and before the University opens. Usually there is an opportunity for a full two weeks' experience in helping in the classroom. Students can sign up for September Experience during the spring quarter in the office of the Department of Elementary Education, which then makes the necessary arrangements.

Students interested in programs on the master's or doctoral level should consult the Graduate School bulletin.

Following are the requirements for the Bachelor of Science in Education degree with a major in elementary education and meeting the minimum requirements for a Standard Elementary School Certificate on either the early childhood level or the elementary level.

GENERAL REQUIREMENTS FOR BOTH EARLY CHILDHOOD EDUCATION AND ELEMENTARY EDUCATION

<i>Mathematics—13 hours</i>		<i>Professional Courses—48 hours</i>	
GSD 108-9	9	Educational Administration and	
Mathematics 210-4	4	Supervision 355 ²	4
<i>Physical and Biological</i>		Guidance 305-4	4
<i>Science—24 hours</i>		Elementary Education courses for	
GSA 101-9	9	EARLY CHILDHOOD: 309-3 (win-	
GSA 201-9, or 201-6 & 200-3	9	ter only), 316-4, 337-4,	
GSA third level courses	6	350b-16 (student teaching),	
<i>Social Science—27 hours</i>		plus electives	
GSB 101-9, 201-9	18	plus electives	
American History (GSB 300b,c) ..	6	ELEMENTARY: 314-4, 337-4,	
GSB 211b-3 or Government 300-4	3	351B-16 (student teaching),	
<i>Language Arts—24 hours</i>		plus electives	
GSC 103-3	3	Recommended electives: Elemen-	
GSC (any two) 201-3, 202-3,		tary Education 100-3, 203-3,	
203-2, 209-3 or 210-3	6	413-4, 415-4, 442-4, Instruc-	
GSC (any one) 313-3, 321-3,		tional Materials 417-4	
335-3, 345-3, 365-3	3	<i>Additional Competencies (early</i>	
GSD 101-6, 103-3	9	childhood)	
English 391, or exemption	3	Secretarial and Business Educa-	
<i>Health and Physical Education—</i>		tion 241-3 ³	
<i>10 hours</i>		Music 040-3 or pass piano per-	
GSE 101-1, 102-1, 103-1, 111-1,		formance test	
112-1, or 113d-1	1	<i>Area of Interest (elementary only)</i>	
GSE 201-3	3	Each student must obtain at least	
PEW or PEM 2 hours activity	2	12 hours, in addition to the above	
PEW 319-4 or PEM 350-4	4	requirements, in one of the fol-	
<i>Fine Arts—12 hours</i>		lowing areas: mathematics, sci-	
GSC 100-3, 101-3	6	ence, social science, language arts	
Electives: Art 300, 408, Music		(including foreign language), fine	
200, 300b ¹ , 307, Industrial		arts, health & physical education,	
Education 302, 303, Instruc-		library science. Advisers in ele-	
tional Materials 445	6	mentary education can suggest	
		courses.	

COURSE DESCRIPTIONS

000-0. READING AND STUDY TECHNIQUES. A "service" course to aid students in improving reading and study skills. Time schedules, general principles of effective study, improving reading, making notes, etc.

¹ Before taking 300b, one must either take 200 or pass a music competency examination, which will be scheduled by the Department of Music for the second Saturday of each quarter.

² If GSB 331 has been taken, this is not required.

³ One who cannot pass a speed test of 25 net words per minute must take Secretarial and Business Education 102 before 241.

- 100-3. INTRODUCTION TO ELEMENTARY EDUCATION. A thorough investigation of the factors which are involved in teaching in the elementary school.
- 203-3. UNDERSTANDING THE ELEMENTARY SCHOOL CHILD. Concepts needed to understand the child in the elementary school situation. Two hours lecture and two hours observation. Prerequisite: GSB 201c.
- 309-3. KINDERGARTEN-PRIMARY SOCIAL STUDIES METHODS. The objectives and methods of teaching social studies at the kindergarten-primary level, culminating in the planning of a unit of work. Prerequisite: 316.
- 314-4. ELEMENTARY SCHOOL METHODS. The fundamental principles of education, the interpretation of current educational theory and practice, the processes of teaching and learning involved in elementary education. Prerequisite: Guidance 305.
- 316-4. KINDERGARTEN-PRIMARY METHODS AND CURRICULUM. Philosophy and principles underlying the teaching of four-to-eight-year-olds. Emphasis upon organization, equipment, materials and methods for promoting growth of young children. Prerequisite: Guidance 305.
- 337-4. READING IN THE ELEMENTARY SCHOOLS. The principles of reading, factors that condition reading, together with grade placement of aims and materials; diagnostic and remedial treatment. Prerequisite: 314.
- 350B-4 to 16. KINDERGARTEN-PRIMARY STUDENT TEACHING. (See Department of Student Teaching.)
- 351A, 351B, 351C-4 to 16. ELEMENTARY STUDENT TEACHING. (See Department of Student Teaching.)
- 401-2. PROBLEMS IN PUBLIC SCHOOL READING. Requirements: attendance at all sessions of a reading conference; preparation of a paper showing practical applications of theory to the student's own teaching situation. Summer.
- 402-4. AERO-SPACE EDUCATION WORKSHOP. (See Secondary Education 402.)
- 410-4. IMPROVEMENT OF INSTRUCTION IN ARITHMETIC IN KINDERGARTEN-PRIMARY GRADES. Recent findings and current practices in building a basis for quantitative thinking in early childhood education. Special emphasis upon grade placement of content and of techniques to aid children in understanding of the number system. Prerequisite: Mathematics 210.
- 411-4. SEMINAR IN INSTRUCTION. To assist student teachers and in-service teachers in solving classroom problems. Involves clinical study and discussion of behavioral and learning situations, with special attention to the development characteristics and needs of students.
- 413-4. CHILDREN'S LITERATURE. Emphasized types of literature, analysis of literary qualities, selection and presentation of literature for children. Not for students who have had Instructional Materials 405. Prerequisite: Guidance 305.
- 415-2 to 4. IMPROVEMENT OF INSTRUCTION IN ARITHMETIC IN THE ELEMENTARY SCHOOL. Items to be taught, the grade placement of content, newer instructional practices and materials of instruction, and means of evaluating achievement Prerequisite; Mathematics 210 or consent of instructor.

- 430-3. WORKSHOP IN CREATIVE WRITING IN THE ELEMENTARY SCHOOL. Techniques of encouraging creative writing.
- 433-4. WORKSHOP IN KINDERGARTEN-PRIMARY EDUCATION. Meets needs of in-service teachers in such areas as curriculum adjustments, remedial teaching, child development, and early childhood education.
- 435-4 to 8. WORKSHOP IN ELEMENTARY SCHOOL FOREIGN LANGUAGE INSTRUCTION. Designed to assist elementary school teachers in integrating foreign languages into their teaching program as well as to encourage high school teachers to introduce or supervise foreign languages or education. Prerequisite: basic language credit.
- 437-4. PROBLEMS IN READING. Practices and trends in the teaching of reading; materials of instruction in reading, particularly remedial materials; techniques and materials for prevention of reading difficulties; diagnosis and remediation of reading difficulties. Prerequisites: senior standing, 337. Not open to students having had 505.
- 441-4. TEACHING ELEMENTARY SCIENCE. A workshop course for teachers of elementary school science.
- 442-4. SCIENCE FOR THE ELEMENTARY TEACHER. Study of content and methods of elementary school science.
- 443-4. WORKSHOP IN SOCIAL STUDIES. Material on critical areas of the world, not commonly emphasized in elementary social studies. Areas considered: significant geographical concepts, Asia, Africa, Russia, and Eastern Europe. Outstanding specialists in social science present their specialities.
- 465-4. SEMINAR IN PSYCHOLOGY OF ELEMENTARY SCHOOL SUBJECTS. Psychological principles of learning applied to the mastery of materials used in elementary school subjects. Prerequisites: 314, Guidance 305.
- 490-2 to 3. WORKSHOP: ECONOMIC EDUCATION IN ELEMENTARY SCHOOLS. A study of newer programs stressing economic understandings of the social studies.
- 505-4. Improvement of Reading Instruction.
- 507-2 to 4. Readings In Reading.
- 509-4 to 8. Practicum In Reading.
- 510-4 to 8. Seminar—Problems In Reading.
- 514-4. Organization and Administration of Reading Programs.
- 515-4. Special Problems In the Teaching of Arithmetic In the Elementary School.
- 516-8 to 12. Internship In Reading.
- 517-2 to 4. Kindergarten-Primary Practicum.
- 518-2. Supervision of Student Teachers.
- 521-9 (3,3,3). Diagnosis and Correction of Reading Disabilities.
- 525-4. Kindergarten-Primary Seminar.
- 537-4. Kindergarten-Primary Reading.
- 541-4. Selected Teaching and Curriculum Problems in Elementary School Science.
- 542-3 to 4. Language Arts In the Elementary School.
- 543-4. Teaching the Social Studies In the Elementary School.
- 557-4. The Elementary Principalship.
- 558-3 to 4. Leadership In Elementary Education.

- 559-3. Workshop In Instructional Leadership.
- 560-4. Kindergarten-Primary Education.
- 561-4. Elementary School Curriculum.
- 563-4. Organization of the Elementary School.
- 570-4. Seminar—Research In Elementary Education.
- 575-2 to 4. Individual Research. (a-k)
- 596-5 to 9. Independent Investigation.
- 597-1 to 3, 598-1 to 3, 599-1 to 3. Thesis.
- 600-1 to 48 Dissertation.

GUIDANCE

Professors Elmer J. Clark, Ralph O. Gallington, Thomas E. Jordon, William Neal Phelps, W. A. Thalman (Emeritus, 1961), Jack W. Graham, Guy A. Renzaglia.
Associate Professors Allen Jack Edwards (Acting Chairman), Eugene D. Fitzpatrick, Clinton Roscoe Meek, J. W. Yates.
Assistant Professors Aileen Parker, Benson B. Poirier, Alice P. Rector.
Instructors Harry Denzel, Paula Parks, Luella E. Pettigrew, Louis Vieceli.

Visiting Professor Charles E. Skinner.

The Department of Guidance offers undergraduate and graduate work in pupil-personnel services. The curriculum is designed to aid in the preparation of educators for all academic levels by focusing attention on the student with his unique needs, interests, capabilities, limitations, plans, and decisions. In addition to studying the characteristics of the student, attention is paid to the learning processes and methods of evaluation.

The department offers degree programs, at the graduate level only, in elementary pupil-personnel services, secondary pupil-personnel services, and educational psychology. Undergraduates interested in such programs should familiarize themselves with the basic requirements for the Master of Science in Education degree with a major in guidance. As many as 16 hours in 400-level courses may be applied toward the pupil-personnel degree programs. These courses are Guidance 422b, 442, Special Education 412, and Psychology 440.

COURSE DESCRIPTIONS

- 305-4. **EDUCATIONAL PSYCHOLOGY.** Study of the learner and the learning process. Includes study of behavior, development, the school environment, application of learning theories, and methods of assessment. Prerequisite: Psychology 201.
- 412-4. **MENTAL HYGIENE.** An integration of knowledge and principles concerning factors and conditions in the personal life that tend to facilitate or to deter mental health. Mental health viewed as living creatively in an atmosphere of satisfactory interpersonal relations. Prerequisite: 305.

- 422-12 (4,4,4). EDUCATIONAL MEASUREMENT AND STATISTICS. (a) Philosophy and history of educational measurements. Principles and practice of test construction. Planning of testing programs for elementary and secondary schools, including the selection, administering, scoring, and interpretation of standardized tests. (b) The statistics needed by teachers for classroom use, the reading of educational literature, and informal educational research. Includes methods of organizing and presenting data, describing group performance, describing individual performance, model distributions, measure of relationship, measures of reliability, and tests of significance. (c) A study of standardized tests and other measuring devices to reveal individual or group characteristics. Emphasizes application and interpretation for counseling, educational, and research purposes. Must be taken in a,b,c sequence. Prerequisite: 305.
- 426-4. INDIVIDUAL INVENTORY. Principles and procedures for studying individual pupils and their problems for guidance purposes. Emphasis on interview, observation, ratings, case study, cumulative record, etc. Prerequisites: 442 and 422a.
- 442-4. BASIC PRINCIPLES OF GUIDANCE. Introductory course on student personnel services. Survey of philosophy, principles, and organization of guidance services. Prerequisite: 305.
- 475-4. IMPLEMENTATION OF GUIDANCE PRINCIPLES IN THE PUBLIC SCHOOLS. Survey for non-guidance personnel. Emphasizes methods of co-operating with guidance personnel in establishing and maintaining a functional program of guidance services. Prerequisite: consent of instructor.
- 481-1 to 6. SEMINAR ON A SELECTED TOPIC. Seminars conducted by staff members and/or distinguished guest lecturers on topics related to the area of guidance. Amount of credit will be determined on the basis of the topic and the amount of time required for adequate presentation.
- 485-4 to 9. WORKSHOP IN EDUCATIONAL UTILIZATION OF COMMUNITY RESOURCES. (Same as Educational Administration and Supervision 485.)
- 501-2 to 6. Special Research Problems.
- 502-4. Measurement and Evaluation of Products and Procedures.
- 503-4. Tests and Measurements In Business Education.
- 511-4. Educational Implications of Learning Theories.
- 515-4. Psychological Aspects of Education.
- 520-8 (4,4). Educational Statistics and Experimental Design.
- 525-4. School Behavior Problems and Their Prevention.
- 526-4. Techniques In Individual Guidance.
- 528-4. Advanced Guidance of the Individual.
- 536-8 (4,4). Individual Measurement and Appraisal.
- 537-12 (4,4,4). Counseling Theory and Practice.
- 541-4. Occupational Information and Guidance.
- 543-4. Guidance Through Groups.
- 545-2 to 4. Seminar. (a-k)
- 562-8 (4,4). Human Development In Education.
- 565-4. Psychology of Elementary School Subjects.
- 566-4. Psychology of Secondary School Subjects.
- 573-2. Selection, Placement, and Follow-Up.

575-1 to 12. Practicum. (a-e)
581-1 to 12. Internship. (a-d)
590-4. Seminar In Behavioral Foundations.
596-5 to 9. Independent Investigation.
599-3 to 9. Thesis.
600-1 to 36. Dissertation.

HEALTH EDUCATION

Professor Donald N. Boydston (Acting Chairman).

Associate Professors A. Frank Bridges, Leslie Ralph Casey, Florence E. Denny, Deward K. Grissom, John R. LeFevre, Charles E. Richardson.

Assistant Professors James E. Aaron, Frances K. Phillips, Jack James Richardson, Andrew T. Vaughan.

Instructors Peter C. Doran, William G. Knuckles, Gerald H. Wiechmann.

The Department of Health Education offers both undergraduate and graduate degree programs with specializations in the areas of school health education, community health education, and safety education.

For the 48-hour undergraduate major in health education (with one minor) the following courses are required: 205, 300, 311 or 312, 313s, 334s, 350 or 460, 400, 471, 490, Microbiology 301 and GSA 301.

Required courses for the 36-hour major (with two minors) are 205, 300, 311 or 312, 313s, or 334s, 350 or 460, 471, 490, Microbiology 301 and GSA 301.

In addition, the major in health education is urged to secure a total of 36 hours of natural science or, if preferred, to secure a minor in biology consisting of GSA 201a,b, 301, Botany 300, 301, 313, 449, Zoology 102, 103, and Microbiology 301. Minors are suggested in related areas of physical education, home economics, and recreation.

A certification program is available to the health education major in elementary or secondary teaching specialties.

A health education minor of 30 hours and a safety education minor of 30 hours are also offered in the department.

Required for the health education minor are 205, 300, 311 or 312, 313s or 334s, 350 or 460, and 471. Additional courses may be taken in safety education, school health, community health, and home nursing.

Requirements for the safety education minor are 302s, 313s, 323s, 334s, 443s, 475s, and Instructional Materials 417 or 445. Additional courses may be elected from the following: 415s, 480s, 481s, Industrial Education 465a,b, Psychology 302, 305, 320, and Guidance 305.

Graduate course work leading to the Master of Science in Education and the Doctor of Philosophy degrees is offered in the Department of Health Education. For information, see the Graduate School bulletin.

COURSE DESCRIPTIONS

- 203-3. HEALTH PROBLEMS OF THE HANDICAPPED.
- 205-4. PRINCIPLES AND FOUNDATIONS OF HEALTH EDUCATION. Introduction to philosophy and history of health education as well as functions of the school health department and voluntary agency interaction in the health education program. Prerequisite for all 300 and above.
- 300-3. COMMUNICABLE DISEASES. A study of communicable diseases with emphasis on control and principles of prevention and application of these principles to the individual school and community.
- 302S-4. DRIVER EDUCATION AND TRAINING. To prepare the college student for teaching driver education and training in the secondary school. Prerequisite: Illinois driver's license.
- 310-4. HOME NURSING. Theory, practice, and demonstration concerning equipment, care of patient and sick room, maternity and child care, recognition of common symptoms of disease, administration of simple treatments.
- 311-4. CHILD DEVELOPMENT. Physical development of the child beginning with the study of pregnancy, pre-natal and maternal care continuing with overview of development from birth through puberty.
- 312-4. EMOTIONAL HEALTH. Concepts of positive emotional health as related to teacher and parent in terms of influences of the child in the classroom and community.
- 313S-4. INTRODUCTION TO SAFETY EDUCATION. Prepares for safety education in the public schools. Concerns safety as a social problem, development of safety skills, accident causes, teacher liability, research in the field.
- 320S-2. SAFETY IN PHYSICAL EDUCATION AND ATHLETICS. For preparation to teach in elementary or secondary school athletic or physical education programs. Emphasis on sports safety methods.
- 323S-4. METHODS AND MATERIALS IN SAFETY EDUCATION. To acquaint student with material aids and methods, techniques in the teaching of safety education at elementary and secondary school levels.
- 325-3. COMMUNITY HEALTH PROBLEMS. Problems of a community health nature are treated and methods outlined to meet the problems. Areas include community health organization, problems of the environment, food, sanitation, and disease. Epidemiological process stressed.
- 330-4. CONSUMER HEALTH. Legislation on state and federal levels affecting the health of the consumer; official agencies serving as watchdogs of consumer health; non-official agencies (AMA, CU, etc.) doing the same job; health and medical protection in the form of insurance, group practice, prepayment, etc.; health hazards of the space age; false and misleading information and advertising in health and medicine; cultists and faddist and their effect on the health of the consumer; media and publications and consumer health.
- 334S-4. FIRST AID. Red Cross First Aid Course with lectures, demonstrations, and practical applications. Red Cross Instructor's Certificate given.
- 350-4. METHODS AND MATERIALS IN ELEMENTARY SCHOOL HEALTH EDUCATION. Designed to show the prospective teacher fundamental

processes, techniques, and material aids involved in elementary school health teaching.

- 355-4. INTRODUCTION TO PUBLIC HEALTH. Philosophy, organization, administration, and functions of federal, state, and local, official and voluntary public health agencies. Periodic field trips involved.
- 356-5. PUBLIC HEALTH II. An examination of specific public health problems and measures of control. Intended for health science students only.
- 365-4. PROBLEMS OF HEALTH EDUCATION IN THE PUBLIC SCHOOLS. Study and observation of existing health education problems in the public schools; of recent developments in education and their influences upon the school health program.
- 376-4. WORKSHOP IN HEALTH AND NUTRITION. (Same as Food and Nutrition 376.)
- 400-4. HEALTH APPRAISAL OF SCHOOL CHILDREN. The role of the teacher in the health appraisal of the school child, including school health examinations, use of health records, and emphasis on training for recognition of health deviations from normal common among school children. Not open to students who have had 450.
- 405-3. METHODS AND MATERIALS IN SOCIAL HYGIENE. Methods and materials course designed to prepare the prospective teacher to instruct in various phases of family life education.
- 413S-3 to 4. SAFE AND HEALTHFUL LIVING OUTDOORS. Areas to be included are foods, sanitation, survival, plants and animals, natural hazards, emergency care, water, riflery, and others. Prerequisites: 334, and at least 10 hours of biological sciences.
- 415S-4. WORKSHOP IN DRIVER EDUCATION AND TRAFFIC SAFETY. Summer course designed for pre-service and in-service teachers of driver education and traffic safety. Individual and group problems will be treated. Lectures by safety authorities, demonstrations, field trips, audio-visual materials, and individually supervised research in special problem areas. Prerequisite: 302s or equivalent.
- 443S-4. METHODS AND MATERIALS IN DRIVER EDUCATION. An advanced course in driver education which includes a study of existing courses of study, review of research, course-of-study planning, visitation and reporting, panel discussions, accident statistics, conducting the secondary school program, testing, and demonstration in the car. Prerequisite: 302s.
- 450-4. HEALTH EDUCATION IN THE ELEMENTARY SCHOOL. Responsibilities of schools to instruct their students in basic fundamentals of how to live healthfully. Principles, methods, programs, and materials for the elementary teacher. The integration of health with other subjects, health observation of children, abnormalities, screening tests, and related materials. Not open to students who have had 400.
- 460-4. METHODS AND MATERIALS IN SECONDARY SCHOOL HEALTH EDUCATION. Shows the prospective teacher the fundamental processes involved in the teaching of health education at the secondary level.
- 461-4 to 8. WORKSHOP IN HEALTH EDUCATION. Summer course for in-service teachers, administrators, advanced students, nurses, social workers, and others interested in public health aspects of school and community living. Individual problems of classroom health treated as units in such

- fields as speech defects and their detection and correction, communicable disease control, nutrition, social and mental hygiene. Lectures, demonstrations, films, field trips, and individually supervised research in special problems. Prerequisite: GSE 201 or its equivalent.
- 462-4. HEALTH EDUCATION WORKSHOP. A continuation of 461 with emphasis on total school health teaching objectives.
- 463-4. HEALTH EDUCATION WORKSHOP. A continuation of 462 with emphasis on evaluation of total school health teaching program.
- 464-4. WORKSHOP IN ALCOHOL EDUCATION. Summer course for in-service teachers, administrators, and others interested in the development and improvement of alcohol education programs at the elementary and secondary school levels. Curriculum: approaches to understanding physiology of alcohol, cultural differences and patterns relative to development of habits and attitudes toward drinking, nature and extent of alcohol problems, teen-age drinking, and current theories and approaches to alcoholism. Emphasis on the analysis and development of content, methods, materials, teacher preparation, and special needs and problems of individual communities. Demonstrations, lectures, films, field trips, and individual research in special areas.
- 471-4. ORGANIZATION AND ADMINISTRATION OF SCHOOL HEALTH. Appraisal of over-all school organization for health education, including health service and personnel, health and safety instruction, school environment, school health examination, local, state, and federal resources for health, health councils, and interdepartmental relationships.
- 475S-3. TRAFFIC LAW ENFORCEMENT AND PLANNING. Designed to acquaint safety and driver education teachers with the purposes of traffic law enforcement and control, and the methods used to fulfill these purposes. Emphasis placed upon ways of improving existing services and co-ordinating the efforts of the many official and non-official agencies concerned with the traffic problem. Prerequisite: 443s or consent of instructor.
- 480S-4. WORKSHOP IN SAFETY EDUCATION. Summer course for in-service teachers, nurses, administrators, advanced students, and others interested in safety education as it applies to the public school and the community. Individual problems, lectures, demonstrations, films, field trips, and individual group study in special areas of interest. Prerequisite: 313s or 323s or consent of instructor.
- 481S-4. SAFETY EDUCATION WORKSHOP. Continuation of 480s with emphasis on methods and evaluation of total school safety education program. Prerequisite: 313s or 323s or 480s or consent of instructor.
- 488-4. EDUCATIONAL ASPECTS OF ENVIRONMENTAL SANITATION. Application of principles of learning to man's contacts with his environment: water, food, air, radiation, housing, and refuse. Emphasis is placed upon both individual and community aspects of environmental health. Prerequisites: 205, GSE 201, or equivalent.
- 489-4. INTRODUCTION TO VITAL STATISTICS. An introduction to biostatistics; examination of theories of population growth; understandings of collection, organization, summarization, presentation, evaluation, and interpretation of data relative to biologic happenings. Prerequisite: Mathematics 220 or equivalent.

- 490-4 to 8. FIELD WORK IN SCHOOL AND COMMUNITY HEALTH. Field training, observation, and participation in current public and school health programs. Area schools and public health agencies will be utilized to provide practical experience for the health education student. Restricted to majors in the department.
- 500-4. Community Organization For Health Education.
- 510-4. Construction of the Curriculum In Health Education.
- 511-5. Practicum In Health Education Workshop.
- 515-4. Review of Current Literature in Health Education, Public Health, and Safety Education.
- 520-4 to 6. Special Projects.
- 525S-4. Organization, Administration, and Supervision of Safety Education.
- 526-4. Evaluation In Health Education.
- 530S-4. Problems and Research In Accident Prevention.
- 533-12 (4,4,4). Human Conservation.
- 536-4. Professional Preparation In Health Education.
- 590-4 to 12. Field Internship.
- 597-1. Seminar In Health Education.
- 598-1. Seminar In Health Education.
- 599-1. Seminar In Health Education.
- 600-1 to 48. Dissertation.

HIGHER EDUCATION

Professors I. Clark Davis, Arthur J. Dibden, John E. Grinnell, George H. Hand (Chairman), Harold W. See, Keith W. Smith, James D. Turner.

Assistant Professor Harold Lee Hakes.

Instructor Dean Tollefson.

The Department of Higher Education was established on July 1, 1959. It offers programs leading to the Master of Science in Education and the Doctor of Philosophy degrees.

The general goal of the department is a program: (1) to interest and instruct in the college teaching profession and its problems, (2) to interest and instruct in the field of college administration, (3) to interest and instruct in the field of college student personnel work, (4) to analyze and call attention to historical and current problems and opportunities in higher education.

The program in college student personnel work is a two-year course of study with a balance of theory and practice. Graduates receive a Master of Science in Education degree (72 quarter hours) plus a full academic year of experience in student personnel work with both women and men. The student plans his experience, in co-operation with his adviser, within the following framework: (1) courses in the major field including theory and supervised experiences, (2) courses in the foundation fields of higher education including theory, philosophy, problems, curriculum, finance, and

administration and of human behavior including personality theory, psychopathology, learning theory, group dynamics, counseling theory, and psychological measurement, and (3) courses in elective areas of professional education or the traditional academic disciplines to strengthen the student's college teaching or other professional needs.

Admission to the program is by Selection Committee. Qualifications for admission include a bachelor's degree, a "B" average or better in undergraduate study, and personal qualities to live with students as an adviser and counselor.

Room, board, and tuition are offered for service as a residence hall fellow. Fellowship funds of \$80 per month are available for students accepted with a "B" average or above. Especially for married students, a limited number of graduate assistantships at \$180 per month and tuition are available through the Student Affairs Office.

COURSE DESCRIPTIONS

- 401-2. CAREERS IN HIGHER EDUCATION—COLLEGE TEACHING.
- 402-2. CAREERS IN HIGHER EDUCATION—COLLEGE STUDENT PERSONNEL. Acquaints students with the career possibilities and functions of college teaching, college student personnel, and college administration.
- 410-4. HIGHER EDUCATION IN THE UNITED STATES. An overview of higher education with emphasis on current problems and organizational relationships.
- 441-4. FUNCTIONS AND ORGANIZATION OF COLLEGE STUDENT PERSONNEL. A description and discussion of the functions of college student personnel programs with an emphasis on the organizational relationships of the various functions.
- 450-1. ORIENTATION TO COLLEGE TEACHING. An introduction to the problems of college teaching with emphasis on classroom techniques for the graduate assistant or inexperienced college teacher.
- 477-2. PRINCIPLES OF COLLEGE STAFF MANAGEMENT. A study of systems and problems of personnel practices.
- 511-4. History and Philosophy of Higher Education.
- 512-4. Higher Education In the Nations of the World.
- 513-4. Policy Making and Control of Higher Education.
- 521-2. Seminar In Higher Education. (a-g)
- 522-1 to 12. Readings In Higher Education. (a-c)
- 523-1 to 12. Internship In Higher Education. (a-c)
- 524-2 to 6. Special Research Problems. (a-c)
- 546-4. Personnel Work With College Student Groups.
- 551-4. Curriculum Design and Development In Higher Education.
- 565-4. The Junior College.
- 576-4. Administrative Practices In Higher Education.
- 578-4. Finance of Higher Education.
- 599-1 to 9. Thesis.
- 600-1 to 48. Dissertation.

INSTRUCTIONAL MATERIALS

Professors Paul Robert Wendt (Chairman), Ralph E. McCoy.

Associate Professor Gordon K. Butts.

Assistant Professors Kathleen G. Fletcher, Richard D. Walker.

Instructors Roy Winston Evans, Paul A. Scholl.

Lecturer Grosvenor C. Rust.

The Department of Instructional Materials offers undergraduate and graduate work in the utilization and administration of teaching materials. The departmental curriculum is designed to train both audio-visual coordinators and librarians to become fully qualified instructional materials specialists who can administer all teaching materials. The program also provides the traditional undergraduate minor in library science, and graduate minors in library science and in audio-visual education.

Persons trained primarily as teachers may qualify for part-time professional service in a school library by completing a minor of 26 hours of work in approved courses.

The required courses constituting an undergraduate minor in library science are 306, 308, 403, 405, 406, 417.

COURSE DESCRIPTIONS

- 301-2. THE INSTRUCTIONAL MATERIALS APPROACH TO LEARNING. An introductory course to the study of instructional materials. A survey of the history of libraries and audio-visual centers; the complete range of materials of teaching with their unique and common characteristics; the background of the school instructional materials program.
- 306-4. SCHOOL LIBRARIES AS INFORMATION CENTERS. Evaluation, selection, and use of reference sources for elementary and secondary school libraries. Principles and methods of reference service.
- 308-4. SCHOOL LIBRARY TECHNICAL PROCESSES. Organization of library materials for effective service. Acquisition, classification, cataloguing, preparation, preservation, and circulation. Laboratory assignments.
- 400-2. LIBRARY RESEARCH METHODS. Introduction to the use of library materials in graduate research. Includes a survey of scholarly publishing and the use of reference works in various subjects.
- 403-4. SCHOOL LIBRARY FUNCTIONS AND MANAGEMENT. Effective library services in relation to the educational objectives of elementary and secondary school programs: organization, supervision, finance, housing, equipment, standards, and evaluation.
- 405-4. LIBRARY MATERIALS FOR CHILDREN. Study of the aids, methods, and criteria for the selection and use of books and other instructional materials for children in the elementary schools. Open to juniors with consent of instructor.

- 406-4. LIBRARY MATERIALS FOR ADOLESCENTS. A study of the aids, methods, and criteria for the selection and use of books and other instructional materials for students in the high school. Open to juniors with consent of instructor.
- 417-4. AUDIO-VISUAL METHODS IN EDUCATION. Selection and utilization of instructional materials in the learning environment; elementary through adult levels. Audio and visual materials and procedures are emphasized with some attention given to bibliographies and reference books for teachers.
- 420-4. SCHOOL LIBRARY ACTIVITIES AND PRACTICE. Supervised practice and observation integrated with instruction in the typical activities of school librarianship: storytelling, publicity, developing units of library instruction, and work with students. Prerequisites: 306, 308, 403, 405 or 406.
- 440-2. PHOTOGRAPHY FOR TEACHERS. Techniques of photographing community resources and other materials for classroom instruction and school public relations. Emphasis on obtaining of material for color slides and study prints.
- 445-4. PREPARATION OF TEACHER-MADE AUDIO-VISUAL MATERIALS. Laboratory practice in the preparation of bulletin boards, opaque materials, models, slides, recordings, feltboards, and other graphic materials. Prerequisite: 417 or consent of instructor.
- 448-4. SUPERVISION AND ADMINISTRATION OF AN AUDIO-VISUAL PROGRAM. Provides professional information and training for anyone who has administrative responsibilities for an audio-visual program. Prerequisite: 417.
- 450-2. CLASSROOM TEACHING WITH TELEVISION. Includes some background in television production, co-operation of the classroom teacher with the television teacher, criteria of television programs, types of programs, and auxiliary materials.
- 457-4. RADIO AND TELEVISION IN THE CLASSROOM. Educational programs and their value to the teacher in the classroom. Sample tapes of radio programs and kinescopes used.
- 458-4. THE MEDIUM OF THE MOTION PICTURE. A study of the full range of expression by motion pictures including the documentary, theatrical, educational, experimental, and industrial films. Representative films screened.
- 470-4. PROGRAMING AUTOMATED INSTRUCTION. The principles and practice of writing both linear and intrinsic types of programed instruction. Individual experience in planning and producing programs.
- 510-4. Mass Communication In Education.
- 514-4. Reading and Visual Studies.
- 530-4. History of Books and Libraries.
- 546-4. Integration of Audio-Visual Material In Classroom.
- 547-4. School Film and Filmstrip Production.
- 549-4. Visual Learning.
- 554-4. The Administration of an Instructional Material Center.
- 560-4. Seminar In Instructional Materials.
- 576-2 to 8. Problems In Instructional Materials.
- 599-5 to 9. Thesis.

PHYSICAL EDUCATION FOR MEN

Professor Jay A. Bender.

Associate Professors Leslie Ralph Casey, John R. LeFevre, Glenn Martin, Edward J. Shea (Chairman).

Assistant Professors C. C. Franklin, Jr., Norman C. Greene, Lynn C. Holder, Ronald G. Knowlton, Robert R. Spackman, Jr., James J. Wilkinson.

Instructors Bill Brown, Frank Chizevsky, Donald R. Cross, John H. Hartman, William T. Meade, Donald G. Shroyer.

Lecturers Lewis Hartzog, George A. Iubelt.

COACHING STAFF

Head of Intercollegiate Athletics Donald N. Boydston.

Assistant Head of Intercollegiate Athletics Bill Brown.

Head Coach William T. Meade.

Coaches Leslie Ralph Casey (swimming), John H. Hartman (basketball), Lewis B. Hartzog (track and cross country), Lynn C. Holder (golf), John R. LeFevre (tennis), Glenn Martin (baseball), Donald G. Shroyer (football), James J. Wilkinson (wrestling).

The Department of Physical Education for Men offers a program leading to the Bachelor of Science in Education degree.

The curriculum for a major in the Department of Physical Education for Men consists of a minimum of 48 hours of theory and practice courses. This entire unit of specialization is intended to qualify young men for positions as teachers, coaches, or specialists in public and private elementary or secondary schools, colleges, universities, as well as other social agencies which promote physical activity programs. The curriculum is designed to meet the requirements of state departments of education and other agencies which have adopted professional standards. Requirements follow:

1. Theory courses—101, 303, 305, 341, 350, 354, 370, 376, 420, two sport theory courses. GSA 301 and Physiology 300 are prerequisites to 303, 305, and 376.

2. Practice courses—18 hours in methods of teaching sports, exercise, and dance are required, any 3 hours of which may substitute for the General Studies activities courses required of all students. Courses are 100A–M. All practice courses should be completed by the end of the junior year. One who cannot swim must audit a beginner's course before taking 100A.

3. Elective courses—Students who minor in recreation or health education may substitute four hours of physical education electives for Health Education 460 or two hours for Recreation and Outdoor Education 365. Elective courses are 330A,B, 331A–F, 345A–C. Majors should consider Health Education 460 and Recreation and Outdoor Education 365.

4. Student Teaching and Observation—Experience in teaching physical

education and assisting in coaching under qualified supervisors is required of all students.

5. Related Professional Experiences—Other valuable experiences are provided majors in physical education to supplement the regular course work. Some of these are gained through membership in the Physical Education Majors Club, membership in professional associations, on the intercollegiate and intramural athletic teams as participants, officials and managers, assisting in service class testing, attendance at clinics, workshops, conventions, and conferences, reading of professional journals, "I" Club membership, and others.

Students who wish to minor in physical education must complete 40 hours of course work. All minors must complete the 18 hours of practice courses required for the major student, 3 hours of which may substitute for the GSE activity requirement for all degree students. These practice courses are 100A–M. Other required courses are 101, 303, 305, 350, 354, 376, Physiology 300, and GSA 301.

COURSE DESCRIPTIONS

- 100A–1. METHODS OF TEACHING SWIMMING. Stresses techniques and methods of teaching applied to individual and group instruction. Basic strokes, underwater swimming, elementary diving, body and breath control, self support, and watermanship. Freshman year. Prerequisite for nonswimmers: audit beginner's swimming course.
- 100B–1. METHODS OF TEACHING GOLF. To prepare the student to teach the fundamental aspects of golf, with emphasis on adaptation to varied approaches in teaching. Freshman year.
- 100C–1. METHODS OF TEACHING TENNIS. Enables the student to acquire, through practice, the knowledge and skills necessary to teach these activities; includes consideration of desirable teaching materials to enhance instruction. Freshman year.
- 100D–1. METHODS OF TEACHING INDIVIDUAL AND TEAM ACTIVITIES.
- 100E–1. METHODS OF TEACHING BASIC RHYTHMS.
- 100F–1. METHODS OF TEACHING EXERCISE.
- 100G–2. METHODS OF TEACHING FOOTBALL. Individual instruction and practice in all the fundamentals of the game such as passing, kicking, blocking, tackling, running. Emphasis on effective methods of teaching and coaching. Sophomore year.
- 100H–2. METHODS OF TEACHING BASKETBALL. Deals with individual and team fundamentals with special emphasis on passing, pivoting, shooting, dribbling, and variety of play patterns concerned with offense and defense. Basic methods of teaching and coaching. Sophomore year.
- 100I–2. METHODS OF TEACHING BASEBALL. Development of the practical skills and ability to teach and coach the techniques of batting, fielding, and playing the various positions in the game. Freshman year.

- 100J-2. METHODS OF TEACHING TRACK AND FIELD. Students gain practical experience as a foundation for learning the techniques of teaching the running and field events. Emphasis on individual analysis of movement for effective teaching. Freshman year.
- 100K-2. METHODS OF TEACHING GYMNASTICS. To develop individual techniques in stunts and tumbling, calisthenics, parallel bars, side horses, trampoline, and high bar; fundamental skills, individual and group methods of instruction. Freshman year.
- 100M-2. METHODS OF TEACHING WRESTLING. Enables the student to master the fundamental skills of wrestling as well as to teach the individual and group methods of wrestling instruction. Freshman year.
- 101-2. ORIENTATION PRACTICUM IN PHYSICAL EDUCATION. To introduce the student to his professional field, to enable him to secure a concept of the role of physical education in total education, and to crystallize his thinking in relation to vocational objectives. The significant historical aspects of physical education and its role in the broad cultural heritage in order to provide an interpretation and perspective to contemporary issues and developments. Freshman year.
- 170-2. VARSITY FOOTBALL.
- 171-2. VARSITY BASKETBALL.
- 172-2. VARSITY TRACK.
- 173-2. VARSITY TENNIS.
- 174-2. VARSITY GYMNASTICS.
- 175-2. VARSITY BASEBALL.
- 176-2. VARSITY GOLF.
- 177-2. VARSITY SWIMMING.
- 178-2. VARSITY CROSS COUNTRY.
- 179-2. VARSITY WRESTLING.
- 220-1. RECREATIONAL ACTIVITIES AND GAMES (OUTDOOR).
- 221-1. RECREATIONAL ACTIVITIES AND GAMES (INDOOR).
- 303-5. KINESIOLOGY. Study of joint and muscle action as a basis for the mechanical analysis of human physical movement executed in daily life and in physical education activities and sports. Prerequisites: Physiology 300, GSA 301.
- 305-2. PHYSICAL EDUCATION FOR THE ATYPICAL STUDENT. Deals with the recognition of physical deviations from the normal student and with the provisions of special or modified physical education or recreational activities for such students. Prerequisites: Physiology 300 and GSA 301.
- 306-1. ADVANCED STUNTS AND TUMBLING.
- 307-1. ADVANCED APPARATUS.
- 317-1. LIFE SAVING AND WATER SAFETY.
- 330A-2. THEORY OF BASKETBALL COACHING. Different types of offense and defense studied; special emphasis given to early season conditioning and practice, offensive and defensive drills, team strategy, rules of the game. Prerequisite: 216.
- 330B-2. THEORY OF FOOTBALL COACHING. Deals with all phases of the game; offensive and defensive formation analyzed; strengths and weaknesses of each studied; various types of individual plays analyzed; rules discussed. Prerequisite: 217.

- 331A-2. THEORY OF SWIMMING COACHING. Treatment of foundations and principles underlying coaching methods; comparative study differences in prevailing theories and methods; development of programs of training in pre-season, mid-season, and post-season of competition. Prerequisite: 117.
- 331B-2. THEORY OF BASEBALL COACHING. A study of the strategy of the game; the conduct of daily practice; analysis of the rules and their application to play situations. Also effective methods of coaching for best results. Prerequisite: 115.
- 331C-2. THEORY OF TRACK AND FIELD COACHING. Theoretical concepts dealing with the effective performance in running and field events; special emphasis on methods of training for such events; methods of organizing and conducting track and field meets. Prerequisite: 215.
- 331D-2. THEORY OF WRESTLING COACHING. Prepares students to develop program of wrestling; includes comparative knowledge of problems, techniques, materials, and systems in coaching wrestling as well as the organization and administration of the wrestling program. Prerequisite: 114.
- 331E-2. THEORY OF TENNIS COACHING. Theory of advanced strokes, strategy and tactics, scheduling and conducting matches, tournaments, exhibitions and clinics; officiating; organizing and promoting development programs. Prerequisite: 118.
- 331F-2. THEORY OF GYMNASTIC COACHING. Deals with all phases of gymnastics; organization of dual meets, championships, and exhibitional teams; practice schedules; care and purchase of equipment; development and evaluation of exercises and routines; techniques of judging. Prerequisite: 116.
- 335-2. ADMINISTRATION OF AQUATICS. The organization, administration, and supervision of aquatic programs in institutional and community swimming pools and camp waterfronts; the construction, operation, and maintenance of pools and waterfronts; personnel and program problems.
- 341-3. PRINCIPLES OF PHYSICAL EDUCATION. An understanding of the scientific foundations of physical education as implied by the accepted principles of psychology, physiology, sociology, biology, educational method of philosophy, anatomy, kinesiology, and related areas. Senior year.
- 345A-1. OFFICIATING OF FALL SPORTS. Interpretation of rules in football, cross country, and soccer; techniques of officiating; code of ethics, for officials and players; problems of officiating. Officiating practice required.
- 345B-1. OFFICIATING OF WINTER SPORTS. Interpretation of rules in basketball, wrestling, and swimming; techniques of officiating; code of ethics for officials and players; problems of officiating. Officiating practice required.
- 345C-1. OFFICIATING OF SPRING SPORTS. Interpretation of rules in baseball, track and field, tennis and golf; techniques of officiating; code of ethics for officials and players; problems of officiating. Officiating practice required.
- 350-3. METHODS AND MATERIALS FOR TEACHING PHYSICAL EDUCATION ACTIVITIES IN THE ELEMENTARY SCHOOL. The organization and conduct of the program with special emphasis on program

planning, evaluation of materials, observation and practice in creative rhythms, singing games, folk dancing, and games of low organization. 2 hours lecture; 2 hours laboratory.

- 354-3. ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION AND ATHLETICS. The organization and conduct of the total program of physical education including interscholastic athletics based upon accepted educational policies and practices. Emphasis on problems of administration.
- 355-2. ASSISTING TECHNIQUES.
- 365-2 to 4. THE ORGANIZATION AND ADMINISTRATION OF COMMUNITY RECREATION. The social, economic, and governmental structure of the community; establishing the community recreation program; problems of facilities; equipment, finance, promotion; selecting and supervising personnel integration with associated programs.
- 370-3 to 4. TESTS AND MEASUREMENTS IN PHYSICAL EDUCATION. Measurement as an aid in determining student needs, curriculum construction, teaching effectiveness, and the attainment of educational objectives. Includes the selection, administration, and interpretation of tests. 2 hours lecture; 2 hours laboratory.
- 376-3. EMERGENCY CARE AND PREVENTION OF ATHLETIC INJURIES. The theoretical and practical methods of preventing and treating athletic injuries; techniques of taping and bandaging; emergency first aid; massage; use of physical therapy modalities. 2 hours lecture; 2 hours laboratory. Prerequisite: Physiology 300 and GSA 301.
- 377-1. HORSEBACK RIDING.
- 378-1. CANOEING AND BOATING.

Physical education courses on the 400 and 500 levels are offered on a combined basis for both men and women.

- 400-4. EVALUATION IN PHYSICAL EDUCATION. Historical background of measurement in physical education; selection and evaluation of contemporary testing devices; structure and use of tests; administering the testing program; and interpretation and application of results. Fulfills the tests and measurements course requirements for the degree of Master of Science in Education.
- 402-3. ORGANIZATION AND ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL ACTIVITIES. Planning intramural programs of sports; planning and co-ordinating extramural activities commonly associated with physical education.
- 403-4. THE ADAPTATION OF PHYSICAL AND RECREATIONAL ACTIVITIES TO THE HANDICAPPED INDIVIDUAL. Recognition of postural deviations, devising and planning programs for the physically atypical.
- 404-4. THE TEACHING OF SPORTS. Teaching methods, officiating, organization, safety precautions, and selecting equipment for sports.
- 405-4. CURRENT THEORIES AND PRACTICES IN THE TEACHING OF DANCE. History and evolution of dance; place of dance in education and recreation.
- 406-4. BASIC CONCEPTS OF PHYSICAL EDUCATION. The place of physical education in the school program, and the concepts underlying the

- program. (Required of all students not presenting courses 354 or 341.)
- 408-2 to 4. PHYSICAL FITNESS: ITS ROLE AND APPLICATION IN EDUCATION. Improvement of programs and teaching techniques involved in the development of various aspects of physical fitness. Units on postural status; body weight control; tension factors, causes, and control; exercise tolerance; and general body mechanics and control.
- 420-4. PHYSIOLOGICAL EFFECTS OF MOTOR ACTIVITY. The general physiological effect of motor activity upon the structure and function of body organs; specific effect of exercise on the muscular system. Prerequisite: GSA 301.
- 500-4. Techniques of Research.
- 501-4. Curriculum In Physical Education.
- 502-4. Foundations of Motor Skills.
- 503-4. Seminar In Physical Education.
- 504-4. Problems In Physical Education.
- 507-4. Scientific Basis of Athletic Training.
- 508-3. Administration of Interschool Athletics.
- 509-4. Supervision of Physical Education.
- 510-4 (2,2). Motor Development.
- 511-2. Analysis of Human Physical Movement.
- 525-1 to 6. Readings In Physical Education.
- 599-3 to 9. Thesis.
- 600-2 to 48. Dissertation.

PHYSICAL EDUCATION FOR WOMEN

Professors Dorothy Davies (Chairman), Helen Zimmerman.

Associate Professor Marjorie Bond.

Assistant Professors Dorothy M. Muzzey, Jean Stehr, Joanne Lee Thorpe.

Instructors Sarah Jane Dakak, Sarah Ellen Davidson, Charlotte West, Virginia Ellen Young.

Assistant Instructors Margaret Clemens, Muriel Hanson.

Lecturer Shirley Wood.

The Department of Physical Education for Women offers courses leading to the Bachelor of Science in Education, Master of Science in Education and Doctor of Philosophy degrees.

A student may prepare for a Standard High School Certificate or a Standard Special Certificate for Illinois.

A student desiring a Standard High School Certificate must take 48 hours in physical education, take 8 hours in health education, fulfill the requirement for a minor in another area, and complete the general requirements of the University.

A student desiring a Standard Special Certificate must take 48 hours in physical education, take 8 hours in health education, and fulfill the General Studies and professional education requirements for certification.

In addition to the General Studies and the College of Education requirements, courses constituting a major in physical education are 303, 304-10, 308, 350, 351, 352, 353, 354, 355, Health Education 334, 460, and the required activity courses¹ 113, 114, 211, 212, 222, 224, 228, 242, and 244.

Electives for the physical education major are GSE 114a,b,d,e,i,m, and PEW 317 (choice of three); GSE 113e, PEW 311, 374, 376 (choice of two).

Thirty hours are required for a minor concentration in physical education. A student may prepare to teach physical education at the elementary or secondary level by minoring in the appropriate physical education courses. A student wishing to minor in physical education should consult the chairman of the department to arrange a course of study.

A program of suggested courses is available at the departmental office for any student wishing to major or minor in physical education.

Any student who transfers from another university and wants to graduate with a major in physical education at Southern must complete a minimum of 15 hours in physical education senior college courses at Southern.

COURSE DESCRIPTIONS

BASIC MOVEMENT

113-1. FUNDAMENTALS OF BODY MOVEMENT.

TEAM SPORTS

114-1. SPEEDBALL. Techniques and team tactics.

224-1. BASKETBALL.

244-1. HOCKEY. Techniques and team tactics.

AQUATICS

211-1. INTERMEDIATE SWIMMING. Prerequisite: pass beginning swimming test.

271-1. SAILING.

316-1. ADVANCED SWIMMING.

317-1. LIFE SAVING AND WATER SAFETY. Techniques of Red Cross Life Saving and Water Safety. Prerequisite: pass intermediate swimming test.

378-1. CANOEING AND BOATING. Prerequisite: pass swimming test (fee required).

INDIVIDUAL SPORTS

216-1. ARCHERY.

¹ Exemptions from these required activities may be achieved by successfully completing proficiency tests. The student will then be advised to substitute another activity for an exempted one.

- 218-1. INTERMEDIATE FENCING.
- 228-1. TENNIS.
- 229-1. INTERMEDIATE GOLF.
- 328-1. INTERMEDIATE TENNIS.
- 377-1. HORSEBACK RIDING. (fee required)

DANCE

- 212-1. BEGINNING CONTEMPORARY DANCE. Fundamentals of movement and composition. A basic course leading to the creating of contemporary dance composition.
- 222-1. FOLK DANCING.
- 242-1. SQUARE AND SOCIAL DANCE.
- 374-1. ADVANCED FOLK DANCE.
- 376-1. ADVANCED MODERN DANCE. Prerequisite: 212 or consent of instructor.

OFFICIATING

- 311-2 (1,1). THEORY OF OFFICIATING BASKETBALL. Study of requirements of a nationally-rated official as set up by the Division of Girls' and Women's Sports.

TEACHING PHYSICAL EDUCATION IN ELEMENTARY SCHOOL

- 319-4. TEACHING ELEMENTARY SCHOOL GROUP ACTIVITIES. Study of age characteristics; planning of an activity program for all grade levels; techniques of teaching activities for elementary grades; fulfillment of the Illinois requirements for elementary school teachers. Prerequisite: Psychology 301 or Guidance 305.
- 350-5. MATERIALS AND METHODS IN ELEMENTARY SCHOOLS. For supervisors and teachers of physical education. Curriculum planning based on grade characteristics and educational philosophy, presentation of skills including skill tests, lead-up games, stunts and tumbling, games of low organization, creative rhythms, singing games, and folk dance.

TEACHING PHYSICAL EDUCATION IN SECONDARY SCHOOLS

- 301-2. TECHNIQUES OF TEACHING RECREATIONAL SPORTS. Analysis and methods of teaching badminton, deck tennis, volleytennis, table tennis, and other recreational sports.
- 304-10 (2,2,2,2,2). TECHNIQUES OF TEACHING SPORTS. Methods of teaching, construction of daily lesson plans, and analysis of techniques. (a) soccer and volleyball, (b) hockey and speedball, (c) basketball, (d) tumbling, stunts, and gymnastics, (e) softball and tennis. Assistantship required during a,b,c,d, and e.
- 360-4. THE PHYSICAL EDUCATION PROGRAM FOR GIRLS IN JUNIOR AND SENIOR HIGH SCHOOLS. Program planning, source materials, and selected physical activities.
- 361-1 to 4. THE TEACHING OF TEAM SPORTS AND DANCE TO JUNIOR AND SENIOR HIGH SCHOOL GIRLS. Techniques of teaching volleyball, basketball, soccer, and dance.

- 362-1 to 4. TEACHING BASIC ACTIVITIES TO JUNIOR AND SENIOR HIGH SCHOOL GIRLS. Teaching badminton, softball, basic movement, and recreational games.
- 363-1 to 4. TEACHING A SPORTS PROGRAM FOR HIGH SCHOOL GIRLS. (workshop). Designed for teachers in service who have provisional certificates.

CAMPING

- 348-2 to 4. CAMP AND COMMUNITY LEADERSHIP. Fundamentals of scouting, camping, and counseling. A weekend camping trip required.

PROFESSIONAL COURSES

- 303-5. KINESIOLOGY. The mechanical analysis of physical education activities through the study of joint and muscle action. Prerequisite: Anatomy.
- 308-5. METHODS OF TEACHING DANCE. A course dealing with each of the various types of dance, including fundamental progressions, and composition in each type. Prerequisites: 212, 222 or equivalent.
- 351-4. RECREATION AND PHYSICAL EDUCATION FOR ATYPICAL HANDICAPPED INDIVIDUALS. Techniques of physical examination; postural defects and their correction; activities suitable for the atypical; program building; and correlation of this program with the physical education curriculum.
- 352-2. HISTORY OF PHYSICAL EDUCATION. A study of the background and development of physical education.
- 353-4. ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION. Criteria for the selection of activities; the organization of classes, the policies and the personnel; the physical plant and its upkeep; the planning, utilization, and care of equipment in the physical education program.
- 354-2. PRINCIPLES OF PHYSICAL EDUCATION. The scientific foundations applied to physical education.
- 355-3. TECHNIQUES OF TEACHING SWIMMING. Methods of teaching, analysis of strokes, and devices for teaching swimming and life saving. Prerequisite: 120 or 205 or equivalent.
- 370-3 to 4. TESTS AND MEASUREMENTS IN PHYSICAL EDUCATION. The theory of measurement in health and physical education, the selection and administration of appropriate tests, and the interpretation of results. Projects required.

Physical education courses on the 400 and 500 levels are offered on a combined basis for both men and women. The course listings are on pages 29 and 30 under Physical Education for Men.

RECREATION AND OUTDOOR EDUCATION

Associate Professors William H. Freeberg (Chairman), William H. Ridinger, Thomas J. Rillo.

Assistant Professors William E. O'Brien, Loren E. Taylor.
Instructor William R. Abernathy.

The recreation and outdoor education curriculum is designed to develop professional leaders for many recreational positions. Graduates are qualified for employment as public recreation administrators, as directors of recreation in youth serving and semi-public organizations, as supervisors of recreational programs for the ill, handicapped, and the retarded, and as specialists in camping and outdoor education.

The curriculum emphasizes the practical as well as the theoretical aspects of recreation leadership. It is an interdepartmental program and draws upon several departments of the University. In addition to the General Studies requirements, several special courses are required in the general education field.

Each student is expected to choose courses which will give him a broad background in recreational activities and skills. These courses may be selected from such areas as music and dance, arts and crafts, drama, sports and games, and nature and conservation.

Major students must complete at least 12 hours of field experience in two areas of their interest, have 34 hours of professional recreation courses, and work closely with the department chairman in choosing related courses in other departments of the University.

The recreation major is designed to allow students to choose between a school-centered and a community-, institutional-, or agency-centered program.

Those students who wish to major in recreation and desire to teach must fulfill all of the course requirements in the College of Education, including practice teaching.

Students who major in recreation and do not fulfill all of the requirements in the College of Education for teaching must sign a statement indicating that they understand that they do not meet the state and college requirements for teaching.

Requirements for these special areas include:

<i>General Studies Requirements</i> (See page 7.)	96
It is recommended that one specializing in recreation for the ill, handicapped, and retarded take GSC 100, 101, 102, 203, 204, and 207.	
<i>Air Science Requirement</i> (See the General Information bulletin.)	3
<i>Requirements for the Major in Recreation and Outdoor Education..</i>	80-95
Recreation and Outdoor Education 100, 201, 202, 220, 230, 301, 302, 310, 315	34
GSB 300	9
English 391 (See Student Teaching Prerequisites)	3

Guidance 305	4
Health Education 334s	4
Music 307	4
One of the three groups of courses listed below:	22-37
PARKS AND OUTDOOR RECREATION	22
Recreation and Outdoor Education 305, 311-6	10
Accounting 250	4
Management 170	4
Mathematics 220	4
COMMUNITY AND AGENCY RECREATION	37
Recreation and Outdoor Education 305-4, 311-4, 312-4, 313-4, 360-4, 365-4	24
Accounting 250	4
Government 232	5
Management 170	4
RECREATION FOR THE ILL, HANDICAPPED, AND RETARDED	24
Recreation and Outdoor Education 311-4, 314-12	16
Mathematics 220	4
Psychology 305	4

Students majoring in recreation are encouraged to obtain the following certificates: American Red Cross First Aid certificate, American Red Cross Life Saving and Water certificate, American Camping Association Campcraft certificate. Other certificates in the activity and instructional areas are also available.

The undergraduate minor program includes 12 hours of required course work (201, 202, 301) and 12 hours of field work (311, 312, 313, 314). In addition, students should demonstrate proficiency in water safety skills before graduation. Students are encouraged to select additional courses, with the aid of their advisers, from appropriate fields in order to meet their needs and interests.

COURSE DESCRIPTIONS

- 100-3. ORIENTATION TO PARKS AND RECREATION. An introduction of the student to his professional field. Comparative study of the patterns of work and leisure in folk, urban, and mass societies; of the transition from work for survival, to work as a vocation, to work for leisure. An orientation to the problems of leisure and programming for recreation.
- 201-4. INTRODUCTION TO RECREATION LEADERSHIP. Introduction to concepts of recreation, its nature, significance, and extent. Its application to schools, park departments, and municipalities.
- 202-4. ORGANIZATION AND CONDUCT OF RECREATION PROGRAMS.

- A study of essential elements in a community recreation program. Leadership area and facilities, activities, and organization methods.
- 220-4. LEADERSHIP IN OUTDOOR RECREATION. Designed to develop leadership skills in conducting outdoor recreation activities at playgrounds, parks, camps, and other outdoor areas.
- 230-4. RECREATIONAL ARTS AND CRAFTS. Methods and materials in arts and crafts projects suitable for playgrounds, recreation centers, clubs, and camps. Emphasis on the use and care of simple hand tools and the use of native and inexpensive materials.
- 301-4. PROGRAMS IN SCHOOL CAMPING AND OUTDOOR EDUCATION. Problems in school camping and their solution in specific cases, guidance in planning for school camp facilities, personnel and program, and patterns of administration and leadership techniques.
- 302-4. INSTITUTIONAL RECREATION. Introduces the basic principles and practices of recreation in a variety of total institutional settings and populations. Emphasis on competencies and skills in working with institutionalized persons.
- 305-4. MAINTENANCE AND REPAIR OF RECREATION AREAS, FACILITIES, AND EQUIPMENT. A study of methods used in maintenance and repair of park and recreation areas, community centers, special play structures and apparatus, and various kinds of recreation equipment.
- 310-3. SOCIAL RECREATION. Materials and techniques for planning and conducting social activities for groups of varying sizes and ages in the many different social situations.
- 311-2 to 6. CAMP LEADERSHIP. (Field Experiences)
- 312-2 to 6. PLAYGROUND LEADERSHIP. (Field Experiences)
- 313-2 to 6. AGENCY, COMMUNITY CENTER, SOCIAL RECREATION LEADERSHIP. (Field Experiences)
- 314-2 to 6. INSTITUTIONAL RECREATION LEADERSHIP. (Field Experiences) Supervised leadership in a public agency or private agency or at the University's camp at Little Grassy Lake. Emphasis on recreational activities common to such organizational programs. One regularly scheduled group meeting each week to discuss leadership problems and to coordinate materials, principles, and theory with practices in field work situations. Students to spend two hours a week for each hour of credit.
- 315-4. RECREATIONAL DRAMATICS. Principles, theory and techniques of producing all types of dramatic activities for recreation. Informal and impromptu drama for the playground and camping situations is stressed.
- 360-4. PLAYGROUND ADMINISTRATION. Practical study of such problems as providing facilities and equipment, setting up the program, budgeting and financing, selecting and supervising the personnel and building good will. One hour a day, four days a week.
- 365-2 to 4. THE ORGANIZATION AND ADMINISTRATION OF COMMUNITY RECREATION. Practical study of such problems as providing facilities and equipment, setting up the program, budgeting and financing, promotion, selecting and supervising the staff, and integrating the administration.
- 368-4. CAMPING ADMINISTRATION. To develop an understanding of accepted methods of selecting and managing personnel, planning programs, maintaining health and safety measures, preparing food, developing

- camp counselors, evaluating camps, administering business, and doing other related procedures involved in setting up and operating a camp.
- 413-4. SAFE AND HEALTHFUL LIVING OUTDOORS. (Same as Health Education 413s.)
- 425-4. CONSTRUCTION AND MAINTENANCE OF RECREATION AREAS. Principles of planning, construction, and maintenance of outdoor recreation areas and facilities. Attention to sanitation, shelters, utilities, structures and their management and maintenance. Prerequisite: 305 or consent of instructor.
- 450-4. PRINCIPLES AND INTERPRETATIONS OF RECREATION. Principles of recreation in relation to education and everyday life. Basic concepts underlying the interpretation of recreation and leisure in the light of economic, psychological, political, and social conditions.
- 470-4. RECREATION IN PUBLIC EDUCATION. Emphasis on current practices and trends in curriculum content, adult education, extracurricular activities, after-school and vacation programs, and co-operative programs with other agencies.
- 480-4. TECHNIQUES IN CAMPING. Preparation of material for use in camps; techniques of camp procedure, camp craft, woodmanship, and crafts.
- 510-2 to 6. School Camping and Outdoor Education Workshop.
- 520-4. Recreation Program Workshop.
- 530-4. Organization For Community Recreation.
- 540-4. Recreation Surveys and Planning of Facilities.
- 550-2 to 6. Field Problems In Community Recreation.
- 560-2 to 6. Field Problems.

SECONDARY EDUCATION

Professors Claude J. Dykhouse, Troy W. Edwards, Daryle E. Keefer, John D. Mees, Clarence D. Samford (Chairman).

Associate Professor Ross Jean Fligor.

Assistant Professors Frank C. Adams, Lawrence Hafner, Roland Keene.

The Department of Secondary Education concerns itself with the sequences of professional education courses that lead to certification for teaching in the junior high school, the high school, and the junior college. In addition, it advises students concerning major and minor areas of academic concentrations.

A student in the College of Education who is preparing to teach in junior high school or high school may select major areas of concentration in any of the following:

Agriculture Education	Chemistry	Geography
Art Education	Economics	General Sciences
Biological Sciences	English	Government
Business Education	English Language Arts	
Botany ¹	Foreign Languages	(Continued on next page)

¹ A student majoring in botany or zoology should minor in the other in order to meet certification standards for teaching biology at the high school level.

Health Education	Journalism	Social Studies
History	Mathematics	Speech
Home Economics	Music Education	Theater ²
Industrial Education	Physics	Zoology ¹

With the consent of an academic adviser, minor areas of concentration may be selected from the following:

Biological Sciences	History	Physical Education
Botany ¹	Home Economics Education	Physics
Business Education	Industrial Education	Physiology
Chemistry	Instructional Materials	Psychology
Driver Education	Journalism	Recreation and Outdoor Education
Economics	Mathematics	Sociology
English	Microbiology	Speech
Foreign Languages	Music	Theater
Geography	Philosophy	Zoology ¹
Government	Photography	
Health Education		

STANDARD HIGH SCHOOL CERTIFICATE

A student may enter the Secondary Education program of the College of Education by transfer (1) from the General Studies program (provided he has attained 75 quarter hours), (2) from other academic units, or (3) from other institutions. In each case, he is subject to the following requirements.

1. He must meet the requirements related to the state and federal constitutions.

2. There is no general requirement in foreign language in the Department of Secondary Education except in those situations where the student must meet a foreign language requirement as part of his major academic concentration.

3. He must complete one major area of concentration of at least 48 hours and one minor concentration in a separate area with a sufficient number of hours to meet the teaching requirements for that area. Or he may substitute one major area of concentration of 36 hours and two minor areas with a sufficient number of hours to meet the teaching requirements for each. (Certain broad areas including biological sciences, English language arts, physical education, physical sciences, and social studies have special certification requirements. Students electing to work in these areas should adhere closely to the program presented through the designated academic adviser.)

¹ A student majoring in botany or zoology should minor in the other in order to meet certification standards for teaching biology at the high school level.

² In choosing this major, the number of hours required is 36; a second major of 36 hours must also be chosen; a minor of 27 hours is also required.

4. He must, if working for certification at the secondary level, complete the following sequence of professional education courses, for 29–35 hours.

Guidance 305, Educational Psychology	4
Secondary Education 310–4, History and Principles of Secondary Education; 315–3, High School Methods or Special Methods; 352–12 to 16 Student Teaching	19–23
Select two courses from the following:	6–8
Agricultural Industries 311–3, Adult Education in Agriculture Art 308–3, Curriculum and Administration	
Educational Administration and Supervision 355–4, Philosophy of Education	
Guidance 422a–4, Educational Measurements and Statistics	
Home Economics Education 310–4, Adult Education and Evaluation	
Industrial Education 408–3, Teaching Aids in Technological Education	
Instructional Materials 417–4, Audio Visual Methods	
Secondary Education 407–4, The Junior High School	
Secondary Education 440–3, Teaching Reading in High School	

5. He must satisfy the Student Teaching Prerequisites on page 48 of this bulletin. Anyone who wishes to qualify for the Standard Special Certificate for grades K through 12 should consult page 8 of this bulletin.

A student in an academic unit other than the College of Education who desires to obtain a Standard High School Certificate should follow the teacher preparation program as described in this bulletin. For advice concerning academic specialization, consult the department chairman in the specific academic area.

STANDARD JUNIOR COLLEGE CERTIFICATE

MASTER OF SCIENCE IN EDUCATION DEGREE

One who holds a valid teaching certificate at the secondary level may qualify for the Standard Junior College Certificate by satisfying the following requirements.

Professional Education Requirements	20
Educational Administration and Supervision 500–4, Higher Education 521g–2, 565–4, Secondary Education 597–3, 598–3	16
One of the following: Educational Administration and Supervision 460–4, Higher Education 511–4, 576–4, 578–4, Secondary Education 508–4	4
Graduate Credit in Area of Undergraduate Concentration	28
Total	48

One who holds no valid teaching certificate at the secondary level may qualify for the Standard Junior College Certificate by satisfying the following requirements. His undergraduate program must satisfy state requirements for 63 hours of General Education.

<i>Professional Education Requirements</i>	20
(Courses in parentheses are not for graduate credit and are not totaled.)	
Educational Administration and Supervision 500-4, 554-4 ¹ , Guidance (305-4) ¹ , Higher Education 565-4 ¹ , Secondary Education (315-3) ¹ , (352-8)	(15) + 12
Two of the following: Educational Administration and Supervision 460-4, Guidance 442-4, Instructional Materials 417-4, Secondary Education 508-4	8
<i>Graduate Credit in Area of Undergraduate Specialization</i>	28
<i>Total Hours of Graduate Credit</i>	48

COURSE DESCRIPTIONS

- 310-4. HISTORY AND PRINCIPLES OF SECONDARY EDUCATION. This course presents the nature, objectives, and current practices found in secondary schools throughout America. Prerequisite: Guidance 305 or Psychology 303, completion of 18 or more quarter hours in a declared major or consent of instructor.
- 315-3. HIGH SCHOOL METHODS. Various types of procedures used for effective classroom teaching constitute the basis of study and discussion. The problem approach and unit method are stressed. Prerequisite: 310.
- 352-4 to 16. SECONDARY STUDENT TEACHING. (See Student Teaching.)
- 375-2 to 3. READINGS IN SECONDARY EDUCATION. Readings are selected on the basis of each student's background and future plans.
- 402-4. AERO-SPACE EDUCATION WORKSHOP. (Same as Elementary Education 402.) The latest developments in this new age. Minimum attention is given to scientific aspects, and maximum attention is given to learning about social and educational implications.
- 407-4. THE JUNIOR HIGH SCHOOL. The place of the junior high school in the organizational pattern, with major emphasis upon the areas of organization, administration, and curriculum.
- 440-3. TEACHING READING IN HIGH SCHOOL. Helps those who teach any secondary school subject with problems of reading which are encountered by the students enrolled.
- 450-4 to 16. FIELD TRAINING IN COMMUNITY DEVELOPMENT METHODS.
- 488-3. METHODS OF TEACHING SOCIAL STUDIES IN SECONDARY SCHOOL. For those who plan to teach any one of the social studies in a secondary school. Numerous methods of teaching are discussed and evaluated. Special emphasis is given to unit and problem solving techniques.

¹ Must be taken prior to Secondary Education 352.

- 490-4. WORKSHOP IN ECONOMICS EDUCATION. Designed to assist elementary and secondary school teachers in promoting economic understanding in the minds of their students through the translation of economic principles and problems into classroom teaching materials. (Same as Economics 490.)
- 505-4. Improvement of Reading Instruction.
- 507-2 to 4. Readings In Reading.
- 508-4. Seminar—Trends In Selected Areas In Secondary Schools.
- 509-4 to 8. Practicum In Reading.
- 510-4 to 8. Seminar—Problems In Reading.
- 514-4. Organization and Administration of Reading Programs.
- 516-8 to 12. Internship In Reading.
- 518-2. Supervision of Student Teachers.
- 521-9 (3,3,3). Diagnosis and Correction of Reading Disabilities.
- 544-9. NDEA Summer Institute For Teachers of German.
- 550-4. Core Curriculum In the Secondary School.
- 560-1 to 8. New Developments In Industrial Education.
- 562-4. Workshop In High School Curriculum.
- 564-4. High School Principalship.
- 575-2 to 4. Individual Research.
- 586-3. The Change Agent and Planned Change.
- 589-2. Seminar In Community Development.
- 591-4. Workshop In Current Problems In Secondary Education.
- 596-5 to 9. Independent Investigation.
- 597-1 to 3, 598-1 to 3, 599-1 to 3. Thesis.
- 600-1 to 48. Dissertation.

SPECIAL EDUCATION

Professors Thomas E. Jordon, Oliver P. Kolstoe (Chairman).

Associate Professor B. Elizabeth McKay.

Assistant Professors Robert Edward Lee, Marjorie Stull.

Instructor John M. Johnson.

Lecturer Dan Stevens Rainey.

The Department of Special Education offers undergraduate and graduate majors in special education leading to certification as teachers of specific kinds of exceptional children.

Students who are majoring in other areas of education may qualify for the above-mentioned special certificate for teachers of exceptional children by taking approximately twenty-four hours of special work. Usually these courses can be taken in place of regular electives, and can be obtained in the junior and senior years. This permits a student (by the time of graduation) to qualify for both his regular teaching certificate and the special certificate.

Required courses for a major in special education with a specialization in teaching the mentally retarded: students in the elementary education

area must take Special Education 410, 413, 414, and 420; Psychology 301 or 303 and 412; Guidance 422; Speech Correction 428; 8 hours of student teaching with normal children and 12 hours of student teaching with mentally retarded children. Students in secondary education who wish to qualify for this certification must have the above courses and may need to take additional courses required in the elementary education program but which are not required on the secondary level. These additional courses will need to be worked out on an individual student basis with his adviser. The major will also need to fulfill all general degree and College of Education requirements.

COURSE DESCRIPTIONS

- 200-2. ORIENTATION TO THE EDUCATION OF EXCEPTIONAL CHILDREN. A survey of exceptional children. Program modification by regular classroom teachers is stressed.
- 406-4. TECHNIQUES AND INTERPRETATION OF HEARING TESTS. (Same as Speech Correction 406.)
- 410-4. PROBLEMS AND CHARACTERISTICS OF THE MENTALLY RETARDED. Psychological problems, etiology, classification, objectives, and curriculum for mentally retarded children. Emphasis upon the principles of learning as they can be applied to this group. Observations. Prerequisite: consent of instructor.
- 411-4. EDUCATION OF THE PARTIALLY SIGHTED AND BLIND. A study of the objectives, curriculum, methods, and techniques of instruction of classes for the partially sighted. Special emphasis on sight conservation in the regular classroom, special equipment, and observation of sight-saving classes. Prerequisite: consent of instructor.
- 412-4. EDUCATION OF GIFTED CHILDREN. Designed to help teachers in the identification of and programming for gifted and talented children. Prerequisite: Guidance 305 or Psychology 301 or 303.
- 413-4. DIRECTED OBSERVATION OF EXCEPTIONAL CHILDREN. Provides student observation and participation in individual work with exceptional children. Prerequisite: consent of instructor.
- 414-4. THE EXCEPTIONAL CHILD. Physical, mental, emotional, and social traits of all types of exceptional children. Effects of handicaps in learning situations. Methods of differentiation and techniques for rehabilitation. Individual case studies used; observations and field trips. Prerequisites: Guidance 305, Psychology 301 or 303.
- 415-4. EDUCATION OF THE DEAF AND HARD OF HEARING. Methods of teaching reading and developing language sense in the deaf and hard of hearing. Tactile, visual, and kinesthetic experiences; hearing aids and other special equipment presented in terms of their educational application. Observations. Prerequisite: consent of instructor.
- 416-4. EDUCATION OF ORTHOPEDIC CHILDREN. Objectives, curriculum, methods, and techniques of instruction of classes for orthopedic children. Emphasis given to program organization, special types of equipment, and observation of classes for the orthopedic. Prerequisite: same as 410.

- 417-4. **THE ATYPICAL CHILD AND SOCIAL AGENCIES.** A survey of social agencies contributing to the welfare and care of exceptional children. Emphasis given to services rendered and to methods of contact and cost. Visits made to agencies and institutions; specialists invited to appear before the class. Prerequisites: Guidance 305 or Psychology 301 or 303, and Sociology 101.
- 418-4. **WORKSHOP IN SPECIAL EDUCATION.** Designed to promote better understanding of the psychological and educational problems of atypical children. Specialists used as consultants. Open to seniors and graduate students majoring in education, guidance, or special education.
- 419-4. **COMMUNICATION PROBLEMS OF THE DEAF AND HARD OF HEARING.** (Same as Speech Correction 419.) Objectives and techniques for the teaching of lip reading, speech conservation, and auditory training. Prerequisite: 406 or consent of instructor.
- 420-4. **METHODS AND MATERIALS FOR TEACHING EXCEPTIONAL CHILDREN.** Offered in conjunction with practice teaching, dealing with methods and materials needed in teaching specific types of exceptional children.
- 428-4. **SPEECH CORRECTION FOR THE CLASSROOM TEACHER.** (Same as Speech Correction 428.) Etiology and therapy of common speech defects.
- 481-4. **SEMINAR.**
- 501-4. Special Research Problem.
- 513-4. Organization, Administration, and Supervision of Special Classes.
- 570-2. Seminar—Vocational Guidance of the Handicapped.
- 571-2, 572-2. Special Problems of the Handicapped.
- 573-3 to 4. Psychodiagnostics For Special Populations.
- 574-1 to 12. Supervised Experience In Rehabilitation.
- 577-4 to 12. Practicum In Special Education.
- 596-5 to 9. Independent Investigation.
- 599-5 to 9. Thesis.

STUDENT TEACHING

Director Charles D. Neal.

Assistant Director Leonard E. Kraft.

Professors Anna Carol Fults, Harves C. Rahe.

Associate Professor William H. Freeberg.

Assistant Professors Cleo D. Carter, John P. Casey.

Instructors Bill Brown, Robert C. Koepper, Robert C. Richardson.

Supervised student teaching is conducted in co-operating public schools in Southern Illinois and the Chicago City Schools and at Southern Illinois University in the University School. The College of Education requires 12 to 16 hours of student teaching for the Bachelor of Science in Education degree. Students are expected to enroll for the entire 12 to 16 hours during one quarter.

One of the following professional-quarter plans of student teaching

must be pursued by the student with the approval of the director of Student Teaching.

ELEMENTARY PROFESSIONAL QUARTER

The student-teaching quarter is devoted to full-time student teaching in an approved off-campus center or in University School. The student teacher earns 16 hours of credit and is expected to participate in the teaching program for the entire school day, following exactly the schedule of his co-operating teacher. The teaching program includes both regular and extra-class activities.

The university consultant calls a meeting of student teachers planning to do elementary student teaching at least one quarter in advance of the student teaching quarter. The purpose of this meeting is to complete plans and answer questions pertaining to the professional quarter.

EARLY-CHILDHOOD EDUCATION PROFESSIONAL QUARTER

The early-childhood education professional quarter is essentially the same as the one described for elementary student teachers with this exception: student teachers in this area teach full time for a quarter in either kindergarten or one of the primary grades. Students must indicate their preference at the time of filing the final application for student teaching.

SECONDARY PROFESSIONAL QUARTER

(Except Vocational Agriculture and Vocational Home Economics)

PLAN A. EIGHT QUARTER HOURS

This professional-quarter plan is designed for those student teachers wishing to meet only state minimum certification requirements.

Student Teaching, Secondary Education 352A—8 hours of credit for student teaching. Additional hours may be earned by registering for courses taught on campus during the evening or on Saturday.

PLAN B. TWELVE QUARTER HOURS

This professional-quarter plan is designed for secondary student teachers in the College of Education and for other student teachers desiring to earn additional hours during any one quarter.

Student Teaching, Secondary Education 352B—12 hours of credit for student teaching. Additional hours may be earned by registering for courses taught on campus during the evening or on Saturday.

PLAN C. SIXTEEN QUARTER HOURS

This professional quarter plan is designed for secondary student teachers in the College of Education and for other student teachers desiring the maximum amount of secondary student teaching offered by Southern Illinois University during any one quarter.

Student Teaching, Secondary Education 352C—16 quarter hours credit for student teaching. This program does not permit additional hours to be earned without the approval of the Professional Quarter Committee.

VOCATIONAL AGRICULTURE PROFESSIONAL QUARTER

A student majoring in vocational agriculture must have a 3.5 grade point average before student teaching.

Psychology and education courses required include Psychology 201, Guidance 305, Educational Administration and Supervision 331, 355, and Secondary Education 310.

For the professional quarter the student registers for Agricultural Industries 307-2, Summer Practice; 309-5, Methods of Teaching Vocational Agriculture; 311-3, Adult Education in Vocational Agriculture; 312-8, Student Teaching.

Seniors preparing to be teachers of vocational agriculture do their student teaching in a professional quarter. The first five to six weeks of the quarter are devoted to an intensive study of methods, including both methods of teaching vocational agriculture in high school and adult education in agriculture. The last six weeks of the quarter are given to supervised teaching in an approved off-campus center.

In addition, all prospective teachers of vocational agriculture do two weeks of summer practice at the center where they later will student teach. This summer practice includes the week prior to and the first week of school. A combination handbook and workbook is provided each student for directed experiences. Altogether the student has eight weeks of practice experience.

The student is responsible for transportation to and from the center and also housing. It is recommended but not mandatory that the student teacher reside in the community while teaching. He is expected to remain on duty as long as the supervising teacher requires. He makes necessary visits after school hours to the homes of students to observe supervised farming programs. This may be true also for Saturday mornings. The student teacher is expected to attend all evening meetings such as the FFA, PTA, and adult farmer classes.

When the student teacher uses his personal car in visiting and super-

vising the vocational agriculture students' farming program, he records his mileage on appropriate forms provided by the supervising teacher and is reimbursed at the same rate as the supervising teacher by the local board of education.

VOCATIONAL HOME ECONOMICS PROFESSIONAL QUARTER

A professional-quarter student preparing to teach home economics should register for Secondary Education 352B-12, Home Economics Education 310-3, 311-2. (During the transition period those students who have earned credit for 311 may register for 572-2, Special Problems.)

For three-fourths of the quarter (approximately 9 weeks), the student does full-time student teaching in an approved off-campus center. During the first week of the quarter, the student reports for pre-student-teaching day and to the Department of Home Economics Education for intensive work in the courses listed above. Likewise, at the end of the off-campus student-teaching period the student reports for the remainder of the quarter including the examination period to the Department of Home Economics Education for further intensive work in the evaluation of student teaching.

In the off-campus student-teaching centers, students are assisted in locating housing by the university supervisors of home economics education and the local public school teacher. Students who live in university housing should indicate to the co-ordinator of housing the time when they will be off-campus for student teaching and/or Home Management House residence so that adjustments in contracts can be made. Students living in housing other than university housing should make arrangements directly with those involved.

The Department of Home Economics Education calls a meeting of students planning to do student teaching at least one quarter in advance of the student teaching period to plan for the professional quarter.

THE PROFESSIONAL QUARTER COMMITTEE

A representative from the College of Education, College of Liberal Arts and Sciences, School of Business, School of Fine Arts, School of Communications, School of Agriculture, School of Home Economics, and School of Technology serve on the Professional Quarter Committee. The purposes of this committee are as follows:

1. To recommend to the director of Student Teaching regulations and procedures applying to all student teachers working on the professional quarter plan.

2. To review petitions for special student teaching consideration where a student feels that he is an exception to the rules and regulations pertaining to the professional quarter. In most cases final reviewing is made from a written request form known as the Petition for Special Student Teaching Consideration. However, the committee as a whole feels that students should not be denied an opportunity of presenting their own cases in person to the committee.
3. To afford each college and school that is concerned with student teaching a personal representative.

No student may pursue a student teaching assignment other than one described previously under one of several professional-quarter plans, unless approved by the Professional Quarter Committee. To request such approval, the student must complete the forms known as the Petition for Special Student Teaching Consideration. These forms may be secured from the office of the director of Student Teaching, Room 135, Wham Education Building. Petitions will be accepted for review by the Professional Quarter Committee no later than the end of the second week of the quarter preceding the student teaching quarter. However, petitions may be filed as early as the filing of the final application for student teaching.

Since student teaching is designed in terms of the needs of beginning teachers for complete and integrated experience, and since more than one supervisor may be in charge of the work done by the student teacher, no part of the work may be dropped by the student teacher with the expectation of continuing the remainder of the work for credit. Furthermore, if one supervisor finds it necessary to drop a student teacher from a part of the program, the College of Education reserves the right to require such student teacher to drop all of his program of assigned student teaching rather than merely a part of it.

Two applications are necessary for student teaching. The preliminary or first application must be made during the first six weeks of the winter quarter, approximately one year prior to graduation. Students are scheduled for either fall, winter, or spring quarter of the following year on the basis of information given on the preliminary application. A final, detailed, application blank must be filed prior to the quarter the student is scheduled for student teaching. A student scheduled to do student teaching during the fall or winter quarter should file his final application during the first two weeks of the preceding spring quarter. A student scheduled for student teaching during the spring quarter should file his final application during the first two weeks of the preceding fall quarter.

Application for student teaching by in-service teachers for the summer sessions should be made not later than March 1. Application blanks may be secured from the office of the director of Student Teaching.

STUDENT TEACHING PREREQUISITES

1. Preliminary application should be made to the director of Student Teaching during the winter quarter of the academic year prior to graduation.

2. A final, detailed application form must be completed two quarters prior to the student teaching assignment.

3. The student must have 128 hours of credit with a 3.2 average before beginning work in student teaching.

4. The student is responsible for having transcripts of credit earned at colleges or universities other than Southern Illinois University on file in the office of the director of Student Teaching.

5. The student in secondary education must have at least 16 hours of credit in each subject which he proposes to teach. The major areas of concentration are listed under Secondary Education elsewhere in this bulletin.

6. Each student must have at least 12 hours in professional education courses prior to doing student teaching. One preparing to teach in junior or senior high school must have had general psychology, educational or adolescent psychology, high school methods or a special methods course in his public school teaching major, and Secondary Education 310. An elementary education major must have had general psychology, educational or child psychology, reading methods, and elementary methods. An early-childhood education major must have had general psychology, educational or child psychology, reading methods, and kindergarten-primary methods. He must also be approved in class piano and must have had typewriting and duplicating courses or passed a proficiency exam in both.

7. A student majoring or minoring in English must have completed English 300, securing a grade of C or better. Other students must have completed English 391, securing a grade of C or better. One may pass the undergraduate English Qualifying Examination in lieu of English 391. An undergraduate student with a B average (4.0) or better in English Composition (English 101, 102, 103 or GSD 100, 101, 102, or their equivalent) may be waived from the Undergraduate English Qualifying Examination requirement.

8. The student must have at least one quarter of residence credit at Southern Illinois University, earning a minimum of 16 hours of credit, prior to any student teaching assignment.

9. The student must pass satisfactorily a physical examination prior to doing student teaching. The examination is given at the University Health Service.

UNIVERSITY SCHOOL

Principal John D. Mees.

Professor Ellen A. Frogner.

Associate Professors Mabel Lane Bartlett, Clyde M. Brown, Harold DeWeese, James Jenkins, Jr., Sina M. Mott (Emerita, 1958), Alice Schwartz, Charles C. Taylor.

Assistant Professors Louise E. Bach (Emerita, 1964), E. L. Bencini, Robert Donnelly, Tina Mary Goodwin (Emerita, 1961), Elizabeth C. Meehan, Charles Paterson (Emeritus, 1959), Evelyn Davis Rieke (Emerita, 1959), Ora D. Rogers (Emerita, 1954), Berniece B. Seiferth, Gladys Leah Smith (Emerita, 1963), John W. Stotlar, William H. Tarwater, Harley R. Teel, Madelyn Treece, Florence A. Wells (Emerita, 1946).

Instructors Arthur Aikman, Edra Bricker, James Cummins, Billy Dixon, Sandra Goller, Arlene J. Heisler, Mildred Hindman, William C. Jackson, Ruta Kupcis, Michael Mahaffey, Ronald Riegel, Roger Robinson, Thomas Sill, John Hatswell Traver.

Lecturers Nadyne Bork, Marcile Franklin, Lela Phelps, Dan Rainey, Bobbi Smith, Bruce White.

Assistant Instructors Cheryl Chmelik, Helen Goetz, Bruce L. Paul.

The University School is a department within the College of Education. The major functions of University School are (1) to illustrate to prospective teachers, through demonstration teaching, a skillful application of educational principles; (2) to provide opportunities for research; (3) to exemplify to the public schools of Southern Illinois the best in school organization, curriculum, equipment, and methods of instruction; (4) to provide facilities for student teaching; and (5) to provide a superior educational opportunity for boys and girls enrolled.



Southern Illinois University Foundation

The Southern Illinois University Foundation is a nonprofit corporation chartered by the state and authorized by the Board of Trustees to receive gifts for the benefit of the University, to buy and sell property, and otherwise to serve the University.

It respectfully asks alumni and other citizens of Southern Illinois to consider making gifts and bequests to benefit the University. Such gifts should be conveyed to the Foundation, with proper stipulation as to their uses. The Foundation, through its officers and members, will be glad to confer with intending donors regarding suitable clauses to insert in wills and suitable forms of gifts and memorials, including bequests by means of life insurance. Large or small gifts to the library will be appreciated; likewise, gifts for special equipment, buildings, endowment of professorships in particular subjects, gifts to student loan funds and scholarship funds, gifts for the use of foreign students, and endowments for particular sorts of research. Any gifts or bequests can be given suitable memorial names.

The staff members of the Foundation are

Mr. Kenneth R. Miller, *Executive Director*, Carbondale, Illinois

Mrs. Lois H. Nelson, *Secretary*, Carbondale, Illinois

Mr. Robert L. Gallegly, *Treasurer*, Carbondale, Illinois

Mr. C. Eugene Peebles, *Assistant Treasurer*, Edwardsville, Illinois

Mr. C. Richard Gruny, *Legal Counsel*, Carbondale, Illinois

Mr. Donald Leavitt, *Patent Counsel*, St. Louis, Missouri

Mr. Warren Stookey, *Field Representative*, Edwardsville, Illinois.

